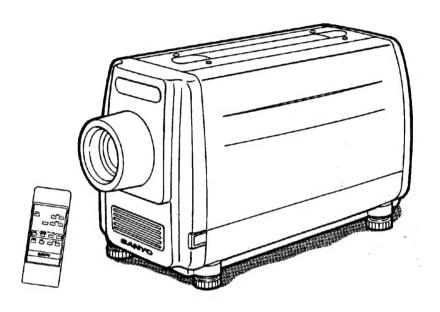


SERVICE MANUAL

Liquid Crystal Colour Video Projector PLC-100P (Europe, Asia, Africa, M.E.) PLC-100PB (U.K.) PLC-100PP (Australia, NewZealand)



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ORIGINAL VERSION Chassis No.PJP1

Service PLC-100P-00 Ref. No. PLC-100PB-00 PLC-100PP-00

PRODUCT CODE

Contents

PLC-100P: 1113 092 00 PLC-100PB: 1113 092 01 PLC-100PP: 1113 092 02

SAFETY INSTRUCTIONS

SAFETY PRECAUTIONS

WARNING: The chassis of this projector is isolated (COLD) from AC line by using the converter transformer. Primary side of the converter transformer and lamp power supply unit circuit is connected to the AC line and it is hot, which hot circuit is identified with the line in the schematic diagram. For continued product safety and protection of personnel injury, servicing should be made with qualified personnel.

The following precautions must be observed:

- 1. An isolation transformer should be connected in the power line between the receiver and the AC line before any service is performed on the projector.
- 2. Comply with all caution and safety related notes provided on the cabinet back, cabinet bottom, inside the cabinet or on the chassis.
- 3. When replacing a chassis in the cabinet, always be certain that all the protective devices are installed properly, such as control knobs, adjustment covers or shields and barriers.

DO NOT OPERATE THIS PROJECTOR WITHOUT THE PROTECTIVE SHIELD IN POSITION AND PROPERLY SECURED.

4. Before replacing the cabinet cover, thoroughly inspect the inside of the cabinet to see that no stray parts or tools have been left inside.

PRODUCT SAFETY NOTICE

Product safety should be considered when a component replacement is made in any area of the projector. Components indicated by a mark(\triangle) in the parts list and the schematic diagram designate components in which safety can be of special significance. It is, therefore, particularly recommended that the replacement of these parts must be made by exactly the same parts.

" SERVICE PERSONNEL ---- WARNING" and the following or the equivalent: " Eye Damage May Result From Directly Viewing The Light Produced By The Lamp Used In This Equipment.

Always Turn Off Lamp Before Opening Cover. Ultraviolet Radiation Eye Protection Required During This Servicing."

Never turn the power on without the lamp to avoid electric - shock or damage of the devices since the stabilizer generates high voltages(10kV - 15kV) at its start.

Since the lamp is reacues a very high temperature during units operation replacement of the lamp should be done at least one hour after the power has been turned off, to allow the lamp cool - off.

SPECIFICATIONS

Projector Type	Portable LC colour video projector	
Dimensions (H x W x D)	323 mm x 221 mm x 633 mm	
Net Weight	12.8 Kg (28.2 lbs)	
LCD Panel System	3.1" TFT Active Matrix type (Thin Film Transistor) x 3	
Number of Pixels	331,350 (110,450 x 3)	
Colour System	4 colour system (PAL, SECAM, NTSC4.43 and NTSC)	
Projection Image Size (Diagonal)	531cm to 304 cm (21 to 120 inch) Adjustable	
Throw Distance	2.0 m ~5.3 m	
Contrast Ratio	100 : 1	
Horizontal Resolution	450 TV lines	
Projection Lens	f4.5 lens with 14 ~ 28 cm Motor- drive zoom and focus	
Lens Aperture	60 mm	
Projection Lamp	Metal Halide, 150 watt	
Projection Mirror	Dichroic mirror system	
AV Input Jacks	PHONO Type x 1 (Video , Audio R and L),	
	DIN 4 pin (S-Video) x 1 and 21 pin (SCART) x 1	
Audio Monitor Output Jacks	PHONO Type x 1 (R and L)	
Built- in Speaker	50 mm x 90 mm oval x 1	
Audio Amplifier	Solid-State, 3 watt RMS (T.H.D. 10%)	
Operating/Image Controls	Projection unit: Mains ON/OFF, Power(Lamp) ON/OFF, Volume, Zoom, Focus, Colour system select, Speaker ON/OFF, Reverse picture scanning and Video mode select. Infrared Remote Control: Power(Lamp) ON/OFF, Volume, Sound mute, Zoom, Focus, Colour system select, Video mode select, Normalization, Function select and Level control.	
LED Indicators	Power ON/OFF, Ready, Temperature Warning, Lamp Replacement	
Image Elevation Adjustment	Up 5°, Down 5°	
Voltage	220~240V AC, 50/60Hz	
Power Consumption	230 Watts	
Operating Temperature	5°C ~ 35°C	
Storage Temperature	-10°C ~ 60°C	
Remote Control Battery	(2) AAA, UM4 or R03 type	
Standard Accessories	Infrared Remote Control, Owner's Instruction Manual, Protective Dust Cover	
Optional Accessories	Adjustable side- throw projection mirror	

FUNDAMENTAL PRINCIPLES OF LIQUID CRYSTAL PROJECTOR

The white light from the light source is separated into red (R), green (G), and blue (B) light components by dichroic mirror, and each of these is projected onto three liquid crystal panels.

The three liquid crystal panels are driven by the primary color signals R/G/B, and R/G/B images are reproduced by the shutter operation of these liquid crystal panels. These reflections are condensed by lens and projected onto the screen.

The structure of the liquid crystal projector is shown in the diagram. The ultraviolet and infrared rays are cut out from the light beams given off from the metal halide lamp, which is the light source, by UV cut filter and cold filter at the beginning. This is to eliminate unnecessary light components in the projected images, and serves to protect the liquid crystal panel from the light and heat of the lamp.

The light beam, now made up only of visible light components, next undergoes spectral diffraction of the red light by the dichroic mirror used for the selecting out of red. The spectrally diffracted red light is reflected by the aluminum full reflection mirror, is projected onto panel unit R, and here the red component image is formed.

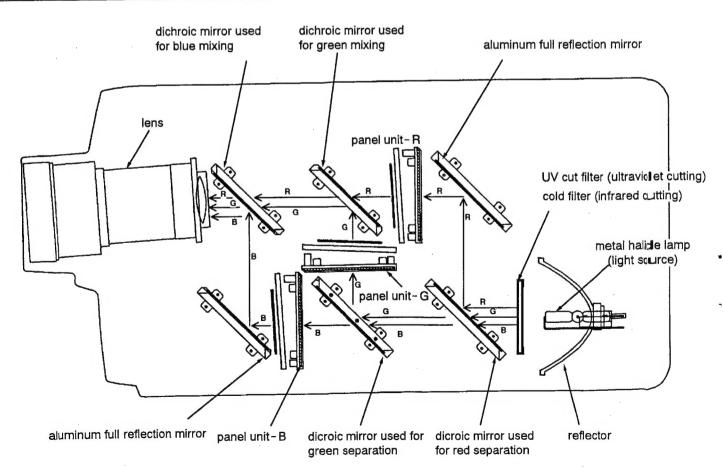
The light beam, with the red light having been separated out, next undergoes spectral diffraction of the green light by the dichroic mirror used for the selecting out of green. The spectrally diffracted green light is projected onto panel unit G, and here the green component image is formed.

The images formed on panel units R and G are mixed together by the dichroic mirror used for green mixing.

After spectral diffraction of the red and green light, the light beam (blue light) is projected onto panel unit B, and here the blue component image is formed.

The image formed on panel unit B, after being reflected by the aluminum full reflection mirror, is mixed with the red and green fused image by the dichroic mirror used for blue mixing. The mixed image is thereupon projected onto the screen through a lens.

Liquid crystal projector conceptual diagram



SYSTEM CONTROL

All systems are controlled by IC801 (CPU).

Main functions:

- 1. Power ON/OFF.
- 2. Input selection.
- 3. Digital control.
- 4. On screen.
- 5. Volume control.
- 6. Lamp monitor (Ready).
- 7. Temperature monitor (Temp. Warning).
- 8. Lamp replacement monitor (Lamp replace).
- 9. Zoom and Focus motor control.

1. Power ON/OFF.

CPU controls the power relay by a signal from the unit or the remote control.

2. Input selection.

Input selection will be switched from AV1 — AV2 — RGB — AV1 by the Video Mode Select button on the unit or remote control. During this operation "V.MODE" will be shown on the right corner for 5 seconds. When you turn on the power switch, the lamp is not stable yet and the indication will be shown for 30 seconds.

3. Digital control.

Digital control will be switched from COLOUR > TINT > CONT-> BRIGHT > V. TON by pressing the FUNCTION button. At these selection, level can be adjusted by LEVEL button. Indication on the screen will be off after 8 seconds. When you press NORMALIZATION button, "NORMALIZATION" will be shown on the screen and all digital controls will be switched back to the factory setting. "NORMALIZATION" indication will be shown for 5 seconds.

4. On screen.

All functions will be shown on the screen. Signal will be output from CPU and combined at signal circuit.

5. Volume control.

Volume will be adjusted by the buttons on the unit and remote. The indication will be shown for 5 seconds. The sound will be muted by the mute button and the indication will be changed to red color for 5 seconds.

6. Lamp monitor.

This unit use a metal – halide arc lamp. This lamp is operated at high voltage. 10 kV ~ 15 kV will be used at striking and 80 V after lamp is on. This lamp generates heat and needs cooling. After turning off the lamp, the cooling fan continues to run for one minute to cool down the lamp. This is required to reduce the gas pressure inside the lamp. During this period, the lamp can not be turned on. The green LED will not be on for one minute after turning off the lamp. After one minute the indicator will be on and the lamp is ready to start again.

7. Temperature monitor.

When the temperature rises due to an inoperative fan or poor ventilation, the power will be automatically turn off and the red LED Indicator will light. The temperature is monitored by a bi-metal temp. sensor.

8. Lamp replacement monitor.

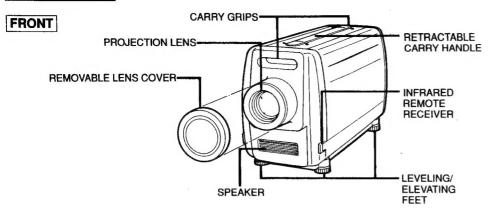
The lamp has a life. The orange LED indicator will warn you the replacing time. The Indicator will be lit after 1000 hours of use. Accumulated time will be stored in N0N - VOLA memory (IC803) by CPU (IC801), and this information is not erased after the power cord is unplugged. After replacing the lamp, RESET switch should be set. This switch is only activated when Power is on. "RESET" indication will be shown on the screen. Do not press this RESET switch other than replacing the lamp. In the case of replacing control unit for repairing NON-VOLA memory IC (IC803) should be used continually.

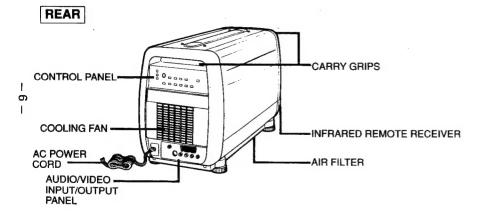
9. Zoom and Focus motor control.

Two DC motors are attached on the lens for zom, focus adjustment.

When adjusting focus, "FOCUS" will be shown on the screen and it will be off after 5 seconds when releasing the switch. For motor protection purpose, motor will be stopped after pressing the switch for 10 seconds.

DESCRIPTION





MOVING THE PROJECTOR

Use the built-in carry grips or retractable carry handle when moving the projector.





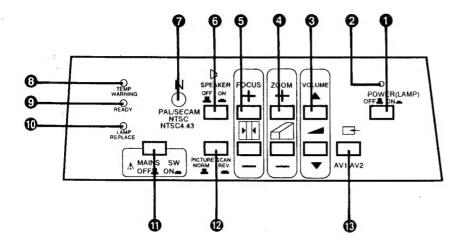
Replace the lens cover when moving the projector to prevent damage to the lens.

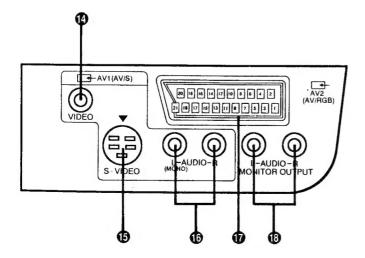
TROUBLE SHOOTING GUIDE

Please perform these simple checks before calling for service.

PROCEDURES
 Plug the projector into an AC outlet. Press the MAINS ON/OFF button to ON. If READY INDICATOR does not light green, check to be sure AC power is being supplied to the outlet. Press the POWÉR (LAMP) ON/OFF button to ON.
 Press the VOLUME (▲) and (▼) to (▲). Press the SPEAKER button to ON. Check audio cable connection with audio input source.
Press the REVERSE PICTURE SCANNING button.
 Adjust the FOCUS buttons. Adjust the ZOOM buttons. Make sure the projector is at a 90° angle to the projection screen. Move the projector closer is at the screen. NOTE: Moving the projector from a cool temperature location to a warm temperature location may result moisture condensation on the lens. In such an event, leave the projector OFF and wait

OPERATION OF CONTROLS





● POWER (LAMP) ON/OFF BUTTON

Press to turn power and projection lamp on or off.

2 POWER INDICATOR

Lights dim when the projector is on. Lights bright when the projector is stand-by position.

6 VOLUME BUTTONS

Used to increase or decrease sound level.

200M BUTTONS

Used to operate power zoom lens.

6 FOCUS BUTTONS

Used to operate power focus system.

6 SPEAKER ON/OFF BUTTON

Turns the built-in speaker on or off.

O COLOUR SYSTEM SELECT BUTTON

Press to select colour system. (AUTO → PAL → SECAM → NTSC4.43 → NTSC)

13 TEMPERATURE WARNING INDICATOR

Lights red when internal projector temperature is too high.

@ READY INDICATOR

Lights green when projector is ready to be turned on.

10 LAMP REPLACEMENT INDICATOR

Lights orange when projection lamp is nearing end of service life.

M MAINS ON/OFF BUTTON

Press to turn the projector on.

@ REVERSE PICTURE SCANNING BUTTON

Automatically reverses the projected screen image.

WIDEO MODE SELECT BUTTON

Press to select video source. (Video Input-1, Video Input-2, or RGB INPUT)

® VIDEO INPUT-1 JACK

Used to connect a video source to the projector.

(B) S-VIDEO INPUT JACK

Used to connect a S-VHS video source to the projector.

(B) AUDIO INPUT-1 JACKS

Used to connect an audio input to the projector.

1 21-PIN TERMINAL

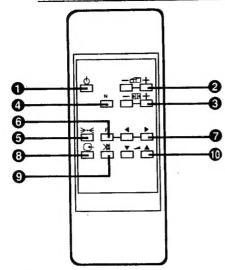
Used to connect a video source with a 21-pin terminal to the projector.

(B) AUDIO MONITOR OUTPUT JACKS

Permits audio connection to a monitor.

REMOTE CONTROL OPERATION

INFRARED REMOTE CONTROL

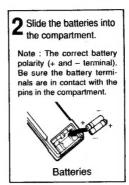


- POWER (LAMP) ON/OFF BUTTON Press to turn projection lamp on or off.
- 2 ZOOM BUTTONS Used to operate power zoom lens.
- S FOCUS BUTTONS Used to operate power focus system.
- OCLOUR SYSTEM SELECT BUTTON Press to select colour system. (AUTO → PAL → SECAM → NTSC4.43 → NTSC)
- NORMALIZATION BUTTON Used to reset to normal factory set picture adjustment.
- FUNCTION SELECT BUTTON Used to select on-screen adjustment displays for colour, tint, contrast, brightness, video tone. Press repeatedly to cycle.
- ② LEVEL CONTROL BUTTONS Used to adjust colour, tint, contrast, brightness, video tone by pressing

 or ▶ buttons.
- VIDEO MODE SELECT BUTTON Press to select video source. (Video Input-1, Video Input-2 or RGB Input)
- SOUND MUTE BUTTON Used to mute sound.
- VOLUME BUTTONS Used to adjust volume.

REMOTE CONTROL BATTERY INSTALLATION



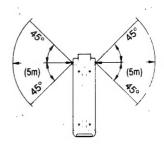




USING THE REMOTE CONTROL WITH THE PROJECTOR

After installing the remote control, press the POWER (LAMP) ON/OFF BUTTON to ON. Point the remote control toward the front of the projector (Receiver window) whenever pressing the buttons.

Maximum operating range for the remote control is about 5m and 45° from the front of the projector.



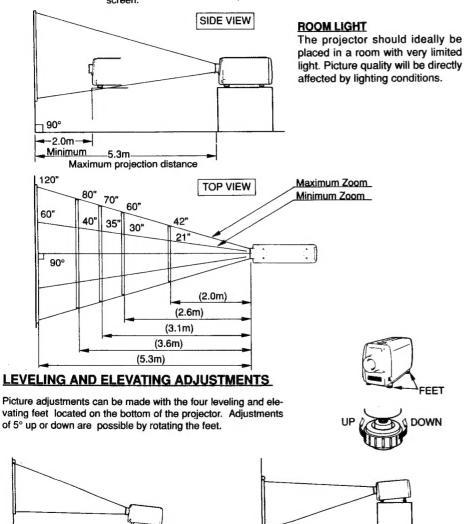
To insure safe operation, please observe the following precautions:

- * Use (2) AAA, UM4 or R03 type batteries.
- * Change both batteries at the same time.
- * Do not use a new battery with a used battery.
- * Avoid contacting the remote control with water.
- * Do not drop the remote control unit.

SETTING-UP THE PROJECTOR

POSITIONING:

- This projector is designed to project on a flat projection surface. If the projector is not placed at 90° angle to the screen, the projected image may become distorted and difficult to view.
- This projector can be focused from 2.0m-5.3m.
- Use the illustration below as an example when positioning the projector to the



USING THE PROJECTOR

TO TURN ON THE PROJECTOR

- Connect the projector to a video source (VCR, Video Camera, Video Disc Player, etc.) using the appropriate terminals on the rear of the projector.
- Connect the projector's AC power cord into a wall outlet. and press the MAINS ON/OFF button (located on projector) to ON. (If the READY lights green, proceed on step 3.)

NOTE: AFTER YOU TURN OFF THE PROJECTOR YOU MUST WAIT ONE MINUTE BEFORE YOU CAN TURN THE UNIT ON AGAIN.

3. Press the POWER (LAMP) ON/OFF button (located on projector) to ON. The POWER INDICATOR is dim. The wait display (A MOMENTI/UN MOMENTO! and numeral 30) appears on the screen and the count-down starts (30–29–28–...1). The signal from the video source appears after 30 seconds.



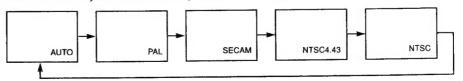
NOTE 1: If the TEMPERATURE WARNING INDICATOR flashes red, the projector will automatically turn off. Wait at least 5 minutes before turning the projector on.

If the TEMPERATURE WARNING INDICATOR continues to flash, follow the procedures below:

- (1) Press POWER (LAMP) ON/OFF button to OFF.
- (2) Check the air filter for dust accumulation.
- (3) Remove dust with vacuum cleaner.
- (4) Press POWER (LAMP) ON/OFF button to ON.

 If the TEMPERATURE WARNING INDICATOR continues to flash, call your authorized dis tributor for service.
- NOTE 2: POWER (LAMP) ON/OFF button on the remote control can be activated only when POWER (LAMP) ON/OFF button on the projector is pressed to ON.
- NOTE 3: When the POWER INDICATOR will light red, press twice the POWER (LAMP) ON/OFF button (located on projector) to ON or press the POWER (LAMP) ON/OFF button on the remote control to ON
- Press the COLOUR SYSTEM select button (located on projector or remote control) to select AUTO, PAL, SECAM, NTSC4.43 or NTSC.

Each time Colour System select button is pressed, the colour system changes as follows:



When the colour system is set to "AUTO" position, this projector can receive colour programs from one of the 4 systems (PAL, SECAM, NTSC4.43 or NTSC), automatically.

If the signal quality is poor, make sure the proper colour system is selected to match the video source.

- 5. Press the VIDEO MODE select button (located on projector or remote control) to select Video Input-1 or Video Input-2 or RGB Input. The "AV1" or "AV2" or "RGB" display will appear on the screen.
- 6. Press the ZOOM buttons (located on projector or remote control) to obtain the desired picture size. For the larger size, press (+) and for the smaller size, press (-).

10

7. To adjust the focus, press the FOCUS button (located on projector or remote control) for sharper, crisper picture. (This focus display will appear for 5 seconds when it is pressed.) You can make the focus adjustment easily by using the display.



- 8. To use the built-in speaker, press the SPEAKER button (located on projector) to "ON" position. To adjust the volume, press the VOLUME buttons (located on projector or remote control). The volume level display will appear on the screen.
- 9. Pressing the MUTE button on the remote control will mute the audio (A mute display will appear). Press the MUTE button again to restore audio to its previous level.
- 10. The normal colour setting is factory preset on the projector and can be obtained anytime by pressing the NOR-MALIZATION button on the remote control. You can adjust the colour to your preference by using the FUNCTION and LEVEL buttons on the remote control.

TO TURN OFF THE PROJECTOR

Press the POWER (LAMP) ON/OFF button on the remote control to OFF. Video, Audio and projection lamp will turn off. The POWER INDICATOR will light red.

Or, press the POWER (LAMP) ON/OFF button on the projector to OFF. Video, Audio and projection lamp will turn off.

NOTE: When POWER (LAMP) ON/OFF button on the projector is turned off, the READY INDICATOR will turn off, and will relight 1 minute later.

> The cooling fan will operate for 1 minute after the projector is turned off, (During this "cool down" period, the projector can not be turned on).

> After 1 minute, the READY INDICATOR will light green and the cooling fan shut off. Now the projector is ready to be turned on. (See STEP 1 in "To turn on the projector").

CAUTION: • Do not turn off the main power using the MAINS ON/OFF button on the projector until the cooling fan stops.

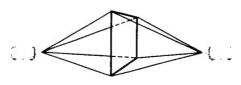
- · When the READY INDICATOR lights green, the projector is ready to be turned on.
- · When the READY INDICATOR light is off, the projector is not ready. Wait for 1 minute or until the indicator lights green.

OTHER FEATURES

The versatile left/right picture reverse capability lets you project onto the screen from in front or behind.

 Press the REVERSE PICTURE SCANNING button on the projector, if required.

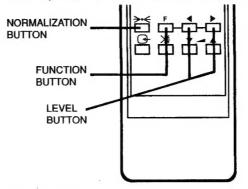
With the adjustable side throw projection mirror (optional accessory), the distance from the projector to the screen can be effectively reduced, permitting projection even in small rooms.





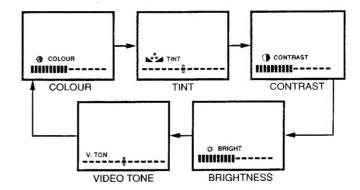
COLOUR AND PICTURE ADJUSTMENTS

Picture adjustment can be made only by using the wireless remote control.



Colour and picture adjustments have been preset at the factory to quality standards. However, with the FUNCTION and LEVEL buttons on the remote control you can select colour and picture adjustments you personally prefer.

1. Select the picture adjustments function by pressing FUNCTION button. Each time FUNCTION button is pressed, the control function changer as follows:



NOTE: "TINT" will be skipped during in the PAL and SECAM mode.

2. Adjust the colour intensity, tint, contrast, brightness or video tone by pressing LEVEL (▶ and ◄) buttons. 3. The ON -SCREEN display will disappear automatically in 8 seconds.

NOTE: The projector is equipped with a built-in memory feature that eliminates the need to readjust the picture each time the projector is turned on. If NORMALIZATION button is pressed, the projector will return to factory preset colours.

CONNECTING THE PROJECTOR

Your projector comes equipped with various audio/video inputs and outputs including S-VHS video input and 21-pin terminals.

CONNECTING TO THE AV1 INPUT JACKS

Connect to the video and audio outputs of a VCR, video disc player, video camera, satellite TV tuner or other AV equipments.

- · If the audio signal from the AV equipment is stereo, be sure to connect the right and left channels to the respective right and left audio input jacks.
- · If the external audio signal is monaural one, connect it to the left jack.

S-VHS FORMAT VCR CONNECTION

The AV1 inputs include an extra video input jack marked S-VIDEO to allow connection to an S-VHS format VCR that has separate Y/C video signals. The S-VIDEO jack has priority over the VIDEO jack.

CONNECTING TO THE AV2 21-PIN TERMINAL

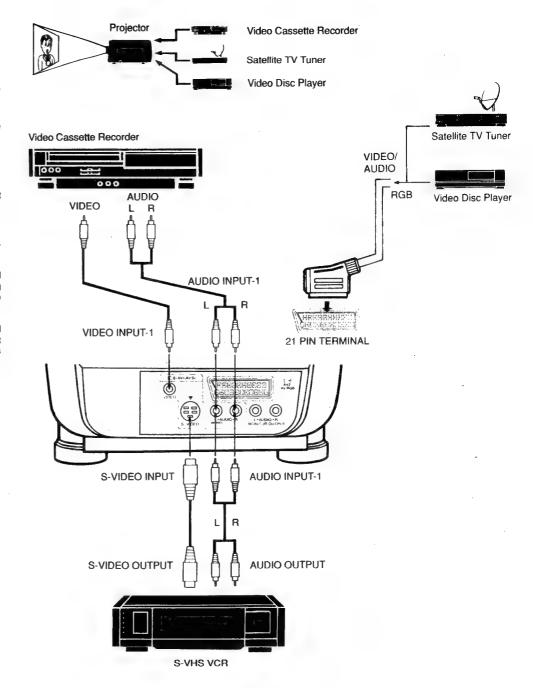
VCR, Video disc player or other AV equipment can be connected to the 21-pin terminal on the rear of the projector. When the 21- pin terminal is used for connection of AV equipment, note the following point.

- · When using equipment (VCR tapes or video discs) with the input function signal into PIN No. 8 of 21-pin terminal below, the VIDEO MODE is automatically set to "AV2" and VIDEO MODE selection is not required. And when using equipment without the input function signal, press VIDEO MODE select button on the projector or remote control to select "AV2" mode.
- When using equipment with RGB input signal and without the control signals for PIN No. 8 and 16 of 21-pin terminal below press VIDEO MODE select button to select "RGB" mode, and when using equipment with both RGB input signal and the control signals, the VIDEO MODE is automatically set to "AV2" mode and VIDEO MODE selection is not required.

21-PIN TERMINAL



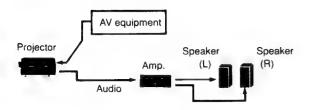
Specific	cation of 21-pin terminal	
Pin No.	Signal	
1.	Audio output (right channel)	0.5 Vrms/ ≤1 K ohm
2.	Audio input (right channel)	0.5 Vrms/ ≥10 K ohr
3.	Audio output (left channel)	0.5 Vrms/ ≤1 K ohm
4.	Earth (audio)	
5.	Earth (blue)	
6.	Audio input (left channel)	0.5 Vrms/ ≥10 K ohn
7.	Blue (B) input	0.7 Vp-p75 ohm
8.	Function switching	L: 0-2V, H-12V
9.	Earth (green)	
10.	Not used	
11.	Green (G) input	0.7 Vp-p/75 ohm
12.	Not used	
13.	Earth (red)	
14.	Earth	
15.	Red (R) input	0.7 Vp-p/75 ohm
16.	Fast blanking	L: 0-0.4V, H:1-3V
17.	Earth (video)	
18.	Earth	
19.	Video sync. output	1 Vp-p/75 ohm
20.	Video sync. input	1 Vp-p/75 ohm

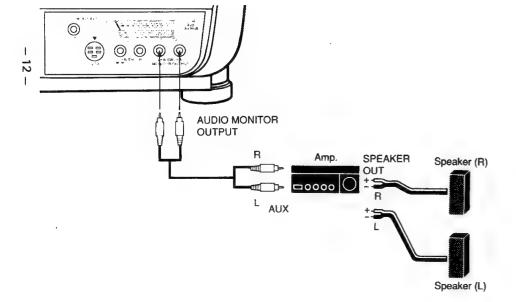


CONNECTING TO THE AUDIO MONITOR OUTPUT JACK

These jacks will contain the audio information of the selected program source being viewed on the screen. If you have selected program source AV1 whatever signal is connected to the AV1 jacks will be available at the audio monitor output jacks.

- If the audio input of the audio equipment is stereo, be sure to connect the right and left channels to the respective right and left jacks.
- . If the audio input of the audio equipment is monaural one, connect it to the left jack.





AIR FILTER CARE AND CLEANING

The removable air filter prevents dust from accumulating on the surface of the projection lens and projection mirror. Should the air filter become clogged with dust particles, it will reduce the cooling fan's effectiveness and may result in internal heat built up and reduced lamp life.

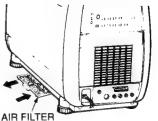
To clean the air filter, following the cleaning procedures below:

- 1. Turn the POWER (LAMP) ON/OFF button OFF.
- 2. Remove the air filter from the bottom of the projector.
- 3. Clean the air filter with a vacuum cleaner.
- 4. Replace the air filter. Make sure that it is fully inserted.



Do not clean with water. Doing so may damage the air filter.

Do not operate the projector with air filter removed.





LAMP REPLACEMENT & TEMPERATURE WARNING INDICATORS

LAMP REPLACEMENT INDICATORS

When the lamp nears the end of its service life, the picture quality and color quality will deteriorate and the lamp replacement indicator will light orange.

TEMPERATURE WARNING INDICATOR

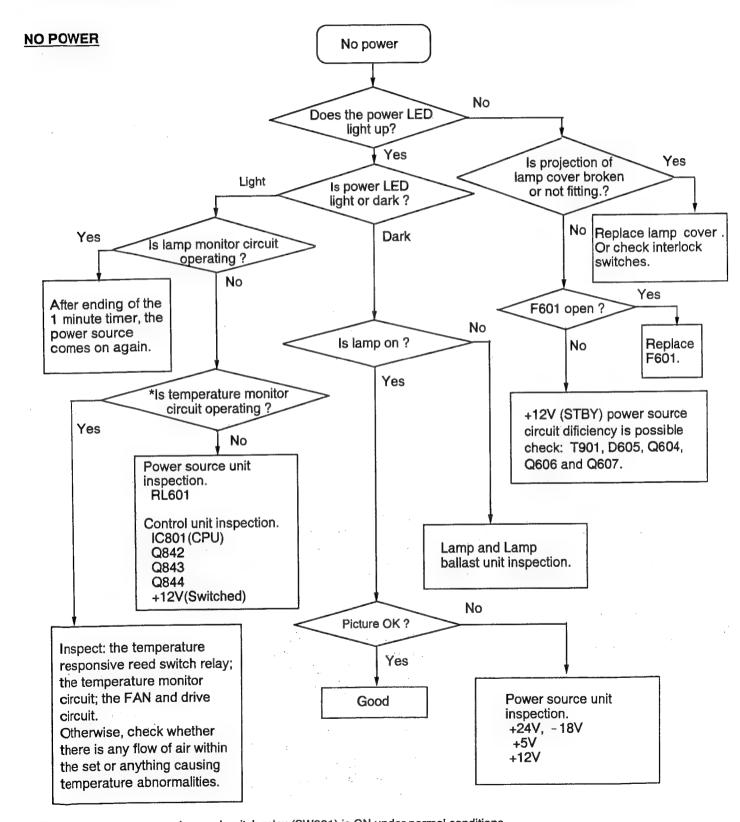
The TEMPERATURE WARNING INDICATOR lights red when the internal temperature of the projector exceeds the normal temperature.

Possible causes for the temperature warning may be:

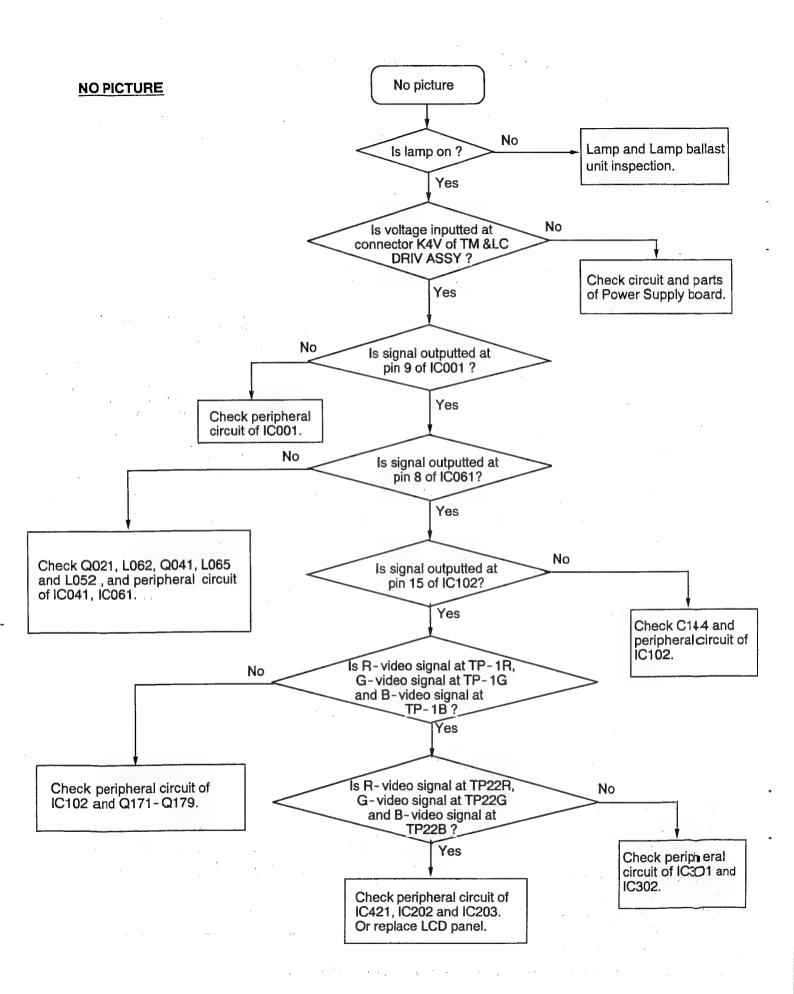
- Ventilation slots at the rear or bottom of the projector are blocked. In such an event, reposition the projector so that ventilation slots are not obstructed.
- 2. Air filter is clogged with dust particles. Remove dust from the air filter by following instructions in the Air Filter Care and Cleaning section above.
- If temperature warning indicator remains on after performing the checks listed above, cooling fan/internal circuits may have malfunctioned. Request service from an authorized distributor or service station.

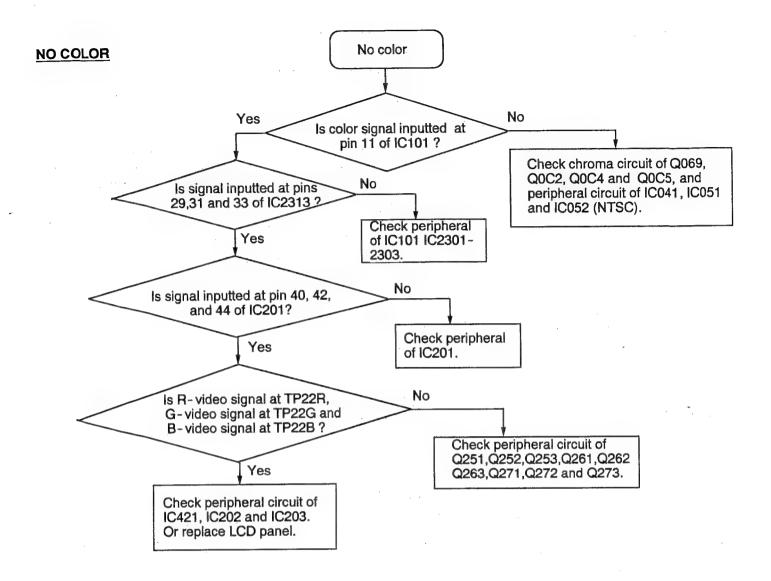
TROUBLESHOOTING CHART

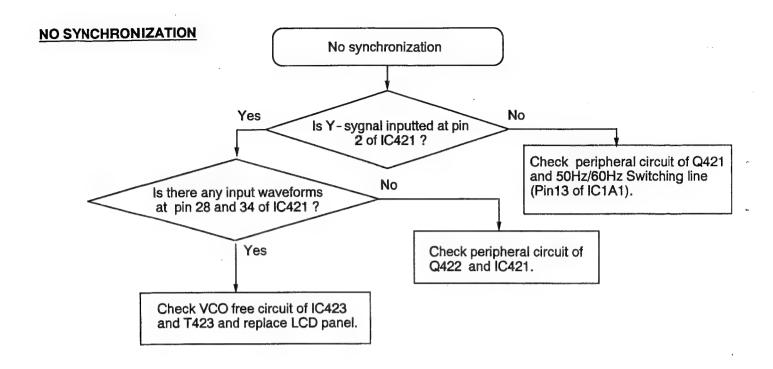
The below chart centers on a circuit characteristic of this function and describes the general standard for discovering trouble spots. Please refer to it when performing maintenance. Please use when inspecting inside the unit.

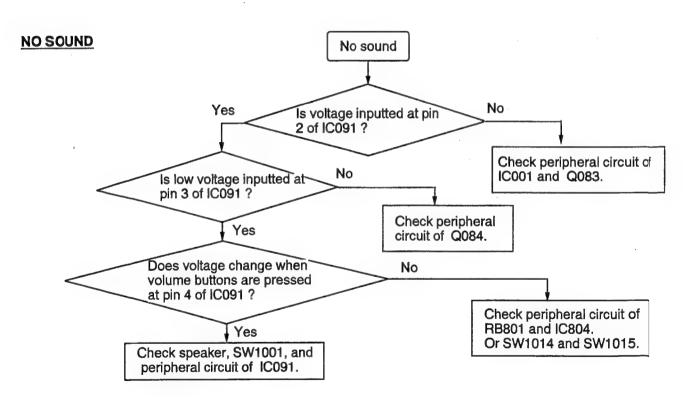


^{*} The temperature responsive reed switch relay (SW901) is ON under normal conditions.









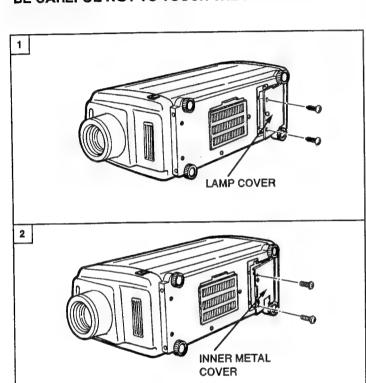
LAMP REPLACEMENT

WARNING THIS LAMP IS OPERATED UNDER HIGH PRESSURE. FOR CONTINUED SAFETY, REPLACE WITH A LAMP OF THE SAME TYPE.

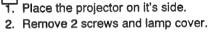
UNPLUG THE PROJECTOR FROM THE POWER OUTLET BEFORE THE PROJECTION LAMP IS REPLACED.

DO NOT ATTEMPT TO CHANGE A HOT LAMP.
BE CAREFUL NOT TO TOUCH THE LAMP OR MIRROR WITH OILY FINGERS.

HOOK



3



- 1. Remove 2 screws on the inner metal cover.
- 2. Remove the inner metal cover.

3

- 1. Remove 2 screws on the lamp and holder ass'y.
- 2. Disconnect the lamp connector, push the hook and pull the connector forward.
- 3. Pull out the lamp and holder ass'y carefully.

4

- 1. Replace with new lamp and holder ass'y,
- 2. Connect the lamp connector.
- 3. Install the inner metal cover and lamp cover.

5

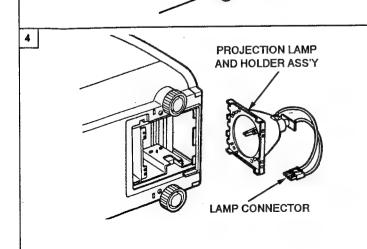
- 1. Connect the AC power cord into an outlet, press to turn power on.
- 2. 1 minute after turning on power, press the RESET SWITCH.

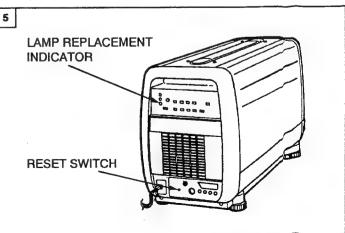
Note: The "RESET" display will appear on the screen and the lamp replacement indicator disappears.



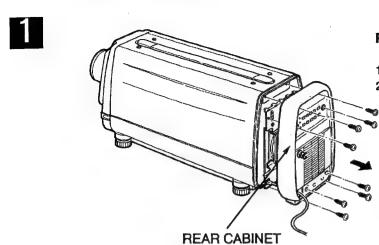
Should the air filter become clogged with dust particles, it will reduce the cooling fan's effectivenes and may result in internal heat build up and short lamp lip. We recommend cleaning the air filter after the projection lamp is replaced.

Refer to AIR FILTER CARE AND CLEANING on the page 12.



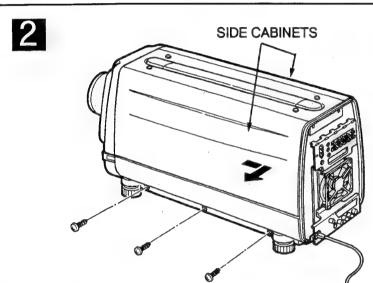


MECHANICAL DISASSEMBLIES



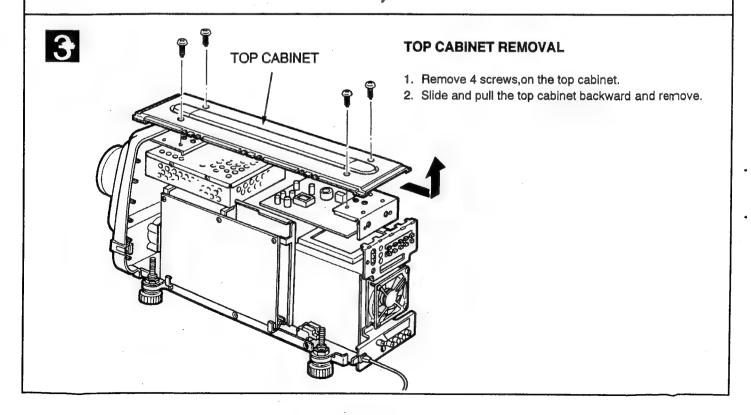
REAR CABINET REMOVAL

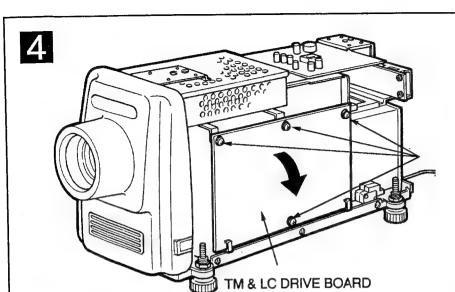
- 1. Remove 8 screws, on the rear cabinet.
- 2. Then pull the rear cabinet backward and remove.



SIDE CABINETS REMOVAL

- 1. Remove 3 screws, on the bottom of the side cabinet.
- 2. Slide and pull the side cabinet backward and remove.
- Remove the another side cabinet, repeat steps 1 and 2.

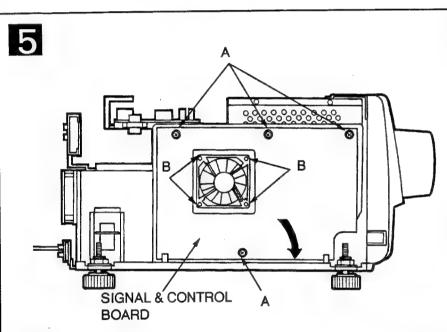




TM &LC DRIVE BOARD EXTEND

(when checking circuits and adjustments)

- Remove 4 screws on the TM & LC DRIVE board.
- Gently extend the TM & LC DRIVE board forward.



SIGNAL & CONTROL BOARD EXTEND

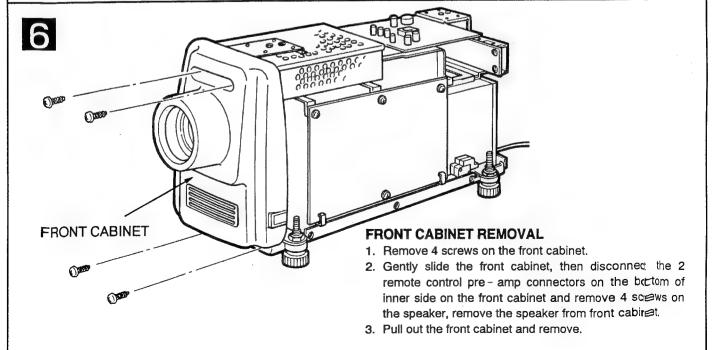
(when checking circuits and adjustments)

- Remove 4 screws(A) on the Signal & Control board.
- 2. Gently extend the Signal & Control board forward.

SIDE FAN REMOVAL

(when replacing the fan, Red and Green LCD panel, or convergence adjustment.)

Remove 4 screws (B) on the corner of the side fan.

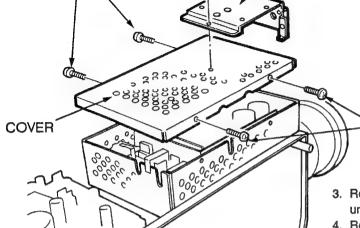




В

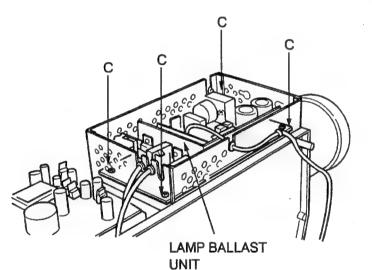
LAMP BALLAST UNIT REMOVAL

- 1. Remove screw-A, then remove the retainer.
- 2. Remove 4 screws B, then pull out the cover and remove.



RETAINER

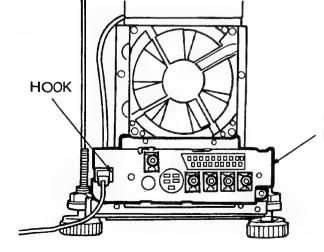
- 3. Remove 4 screws C, on the coner of the Lamp ballast unit.
- 4. Remove the Lamp ballast unit from the case.





BACK TERMINAL BOARD REMOVAL

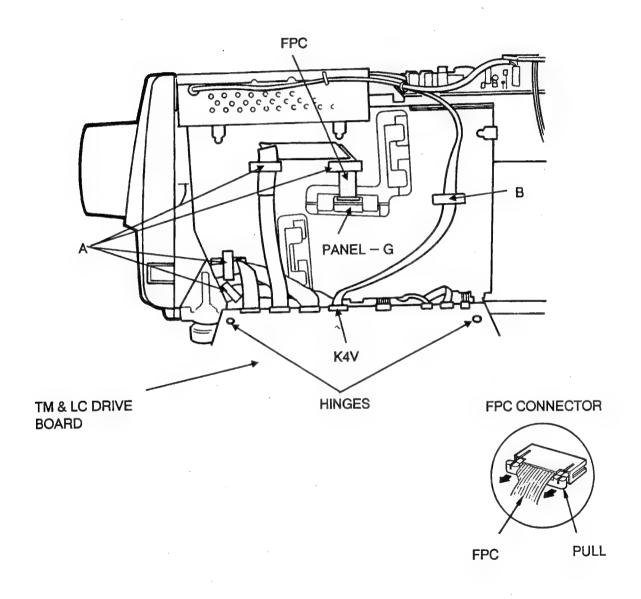
- 1. Unhook the AC cord from the Back terminal board.
- 2. Remove 2 screws, then remove the Back terminal bo ard.



BACK TERMINAL BOARD

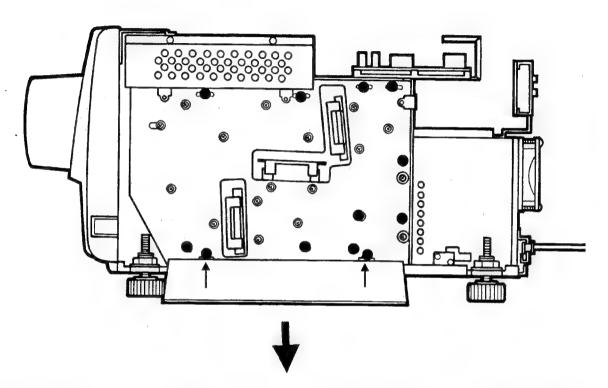
TM & LC DRIVE BOARD REMOVAL

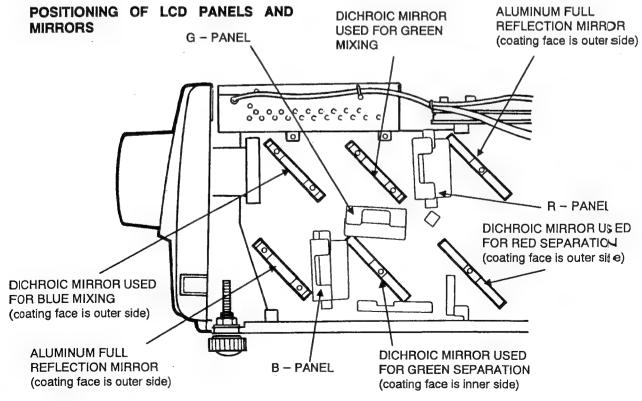
- 1. Unfasten the FPC from the 4 wire holders A.
- 2. Disconnect the FPC from the FPC Connector of Panel G. (Refer to below figure.)
- 3. Push the 2 Hinges, then remove the TM &LC DRIVE board.
- 4. Unfasten the wire from the wire holder B. Disconnect the Connector "K4V" from the TM & LC DRIVE board.



INSULATION PANEL REMOVAL

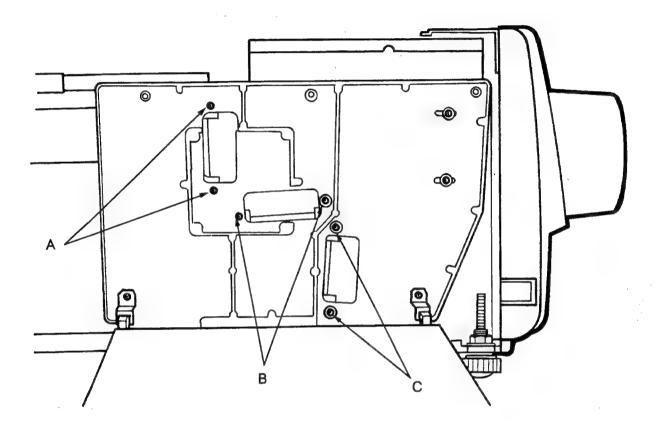
- 1. Remove 12 screws (large,), and 17 screws (small, ●) on the Insulation panel.
- 2. Gently remove the Insulation panel from the set.

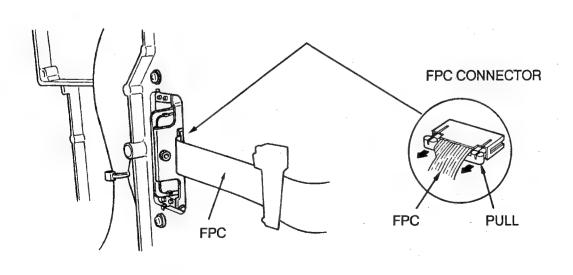




REMOVAL OF LCD PANELS

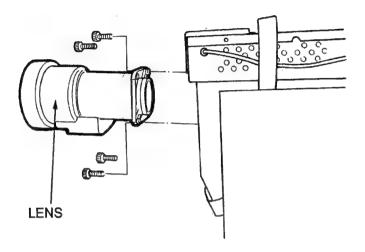
- Reconnect the FPC when removing the R Panel or B -Panel on the set.
- 2. IF changing the LCD Panel, remove the 2 screws-A for the R-Panel, the 2 screws-B for the G-Panel, and the 2 screws-C for the B-Panel.





LENS REMOVAL

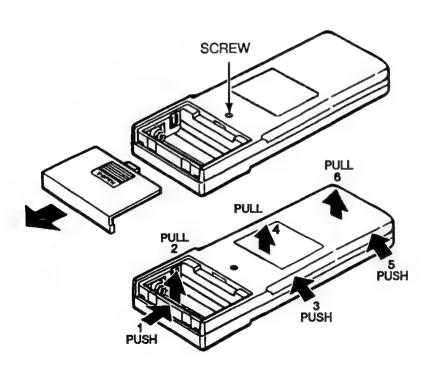
- 1. Keep holding the lens and remove 4 screws fixing the lens.
- 2. Remove the lens from the unit.



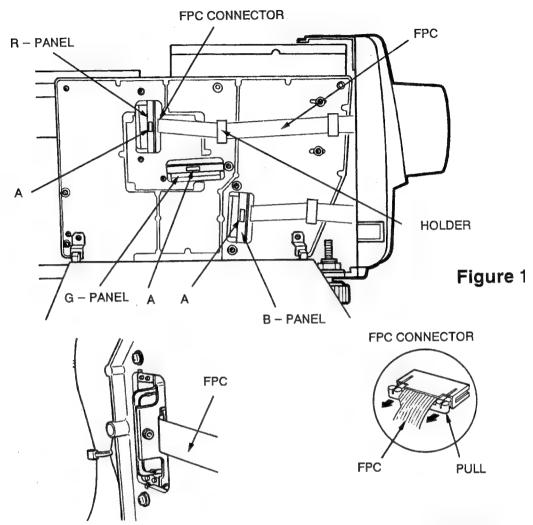
13

REMOTE CONTROL TRANSMITTER DISASSEMBLY

- 1. Press the battery cover downward and slide it off the back of the transmitter.
- 2. Remove the screw.
- 3. Push and pull the rear of cabinet bottom, then push and pull the side of cabinet bottom, and remove the cabinet bottom.



LCD PANEL REPLACEMENT



- Remove the FPC cable holder, then remove the FPC cable from the LCD panel being replaced. (Refer to below Fig.)
 For G (green) LCD panel replacement, remove the cable after removing the LCD panel. (Refer to Fig.1)
- On the side of the set shown in Fig.1, loosen the screw "A" (only one) holding the LCD panel being replaced.
- 3. Remove the two screws from the panel to be replaced on the opposite side of the set as that shown in Fig.1. (Refer to Fig.2 and Fig.3)

For replacement of the G (green) LCD panel, remove the FPC cable holder at this point.

- 4. Pull the LCD panel out from the set. (Refer to Fig.3)
 For replacement of the G (green) LCD panel, remove the FPC cable from the panel at this point.
- Remove the 4 screws on the LCD panel, and remove the LCD panel from the panel retainer. (Refer to Fig.4)
- 6. For installation of the new panel, reverse the above procedures.

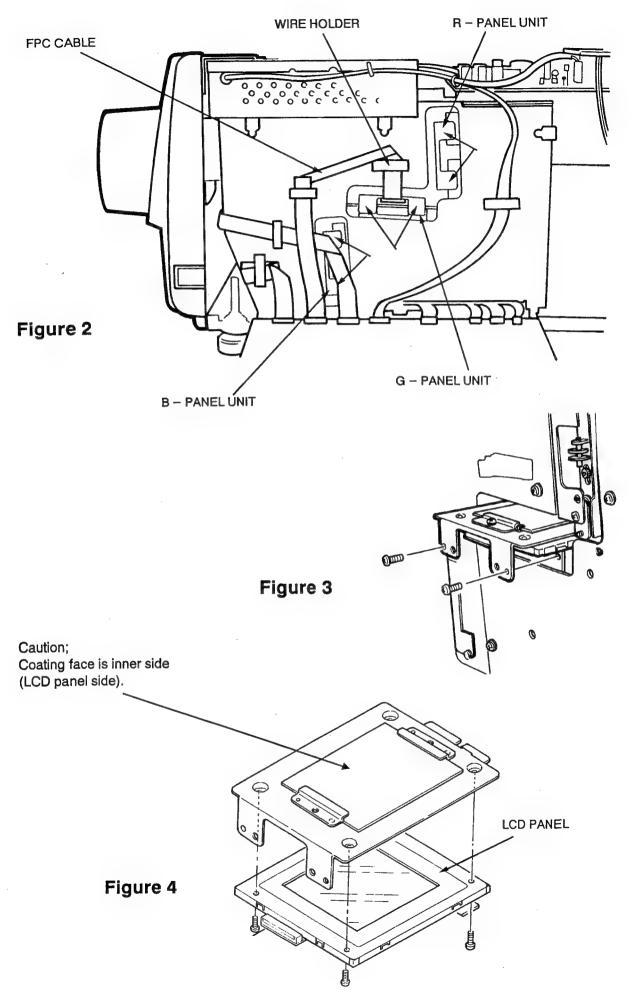
After replacing an LCD panel, check the focus (refer to Focus Adjustments) and adjust the convergence (refer to Convergence Adjustment).

When replacing the R - LCD panel, check the R focus and adjust the convergence.

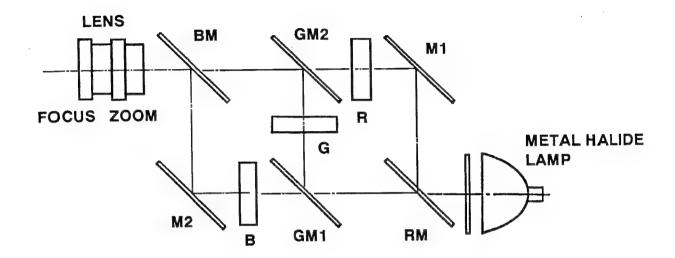
When replacing the B - LCD panel, check the B focus and adjust the convergence.

When replacing the G - LCD panel, after checking the G focus, also check the R and B convergence.

Adjust the R and B convergence if either one is out of alignment. (Alignment of G with R and B can also be made by adjusting the position of the G panel.)



OPTICAL ADJUSTMENTS



Optical path adjustment

- Preparation before adjustment.
- 1. Place lamp, M1, M2, BM, GM1, GM2, RM and lens at right position.
- 2. Make sure that M2, BM, GM2, RM is placed at 45 degree with optical path and 90 degree with base.
- Optical path adjustment.
- 1. Turn the lamp on and place screen in front of projection lens and show the lamp image on the screen.
- If the blue lamp image is off from the green lamp image at 90 degree angle (vertical) when masking the red lamp, rotate GM1, and if the lamp image is off at horizontal direction, adjust mounting angle against base.
- 3. If the blue lamp image is off from the red lamp vertically when masking the green lamp, rotate M1 and if that is horizontal, adjust mounting angle against base.

This adjustment is only for R.G.B. optical path, and not for centering the beam.

Lens position adjustment.

- Insert paper, etc. in locations B and C as indicated in Fig. 1 (Next page) to block the B light and R light, and project only the G light.
- 2. Loosen screws "X","Y" and "Z" as indicated in Fig.1 and Fig.2 (on the pages 28 and 29).
- 3. Focus with zoom lens at Tele. side.
- 4. Adjust lens position for the best focus with zoom lens at wide side. Temporarily tighten screw "X","Y" and "Z".
- 5. Try 2 and 3 a few times and find out the best to cus position and fix the lens. Tighten screws "X","Y" and "Z".

FOCUS ADJUSTMENTS

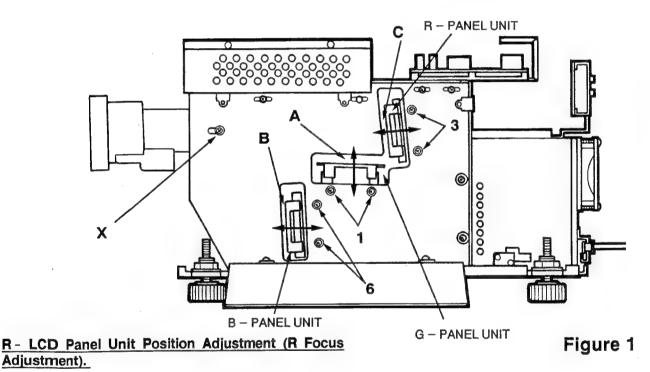
When conducting focus adjustment, first adjust the G (green) LCD panel unit as the standard reference, then adjust the lens position without causing any misalignment to the G (green) zooming focus. Next align the focus for R (red) and B (blue) by adjusting the position of each panel unit.

For adjustment, the setting configuration for the unit is as shown in Fig.1 and Fig.2.

The pattern signal used for adjustment should be a pattern in which the R, G and B dots are easily distinguishable. (A flat pattern, etc.)

G - LCD Panel Unit Position Adjustment (G Focus Adjustment)

- 1. Turn on the power to the unit, and project the adjustment pattern on the screen.
- 2. Insert paper, etc. in locations B and C as indicated in Fig.1 to block the B light and R light, and project only the G light. Using the remote control focus, adjust the focus so the left side of the pattern on the screen is sharp focus.*
- 3. Loosen screws "1" (Fig.1) and screws "2" (Fig.2). Move the G panel unit (on the side shown in Fig.1) up or down until the right side of the screen is in sharp focus. Tighten screws "1" (Fig.1) and screws "2" (Fig.2).



Before conducting the R focus adjustment, make sure the G focus adjustment has already been completed.

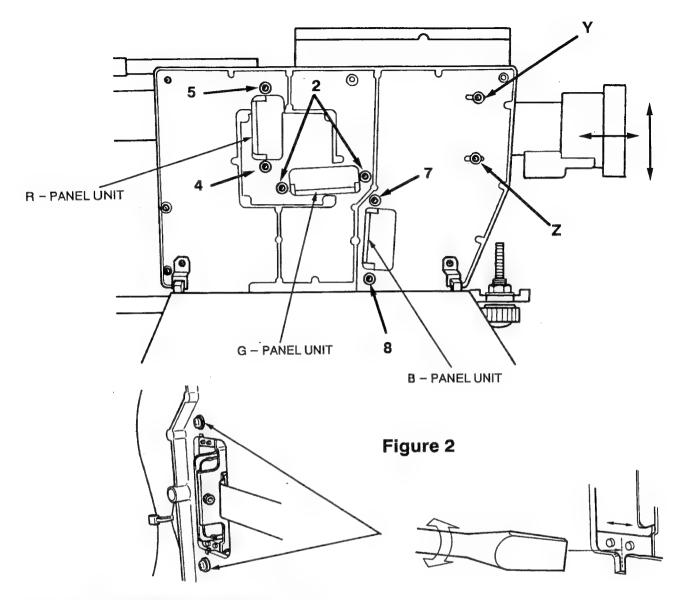
- 1. Temporarily tighten the R panel unit holding screws "3", "4" and "5" (shown in Fig.1 and Fig.2) in their midway positions in the screw slots.
- 2. Insert paper, etc. in locations A and B as indicated in Fig.1 to block the G light and B light, and project only the R light. Using the remote control focus, adjust the focus until the middle left side of the pattern on the screen is in the best focus.
- 3. Loosen screws "3" (Fig.1) and screw "4" (Fig.2). Move the lower part of the R panel unit forward or backward until the upper left hand side of the screen is in sharp focus. For adjustment, insert a slot head screwdriver in the adjustment slot provided in the screw "4" mount, and perform the same method as the R panel unit.

Temporarily tighten screw "4".

4. Loosen screw "5" (Fig.2) and move the upper pat of the R panel unit forward or backward until the lower left of the screen is in sharp focus.

Temporarily tighten screw "5".

- 5. Repeat steps 3 and 4 until the left hand R focus is h the best position possible, then tighten screws "4" and "5".
- 6. Move the R panel unit forward or backward on the side shown in Fig.1 until the right hand side of the sceen is in sharp focus. Tighten screws "3".(Fig. 1)
- * Sharp Focus ···· A single dot being clearly disting Lishable on the screen.



B - LCD Panel Unit Position Adjustment (B Focus Adjustment).

Before conducting the B focus adjustment, make sure the G focus adjustment has already been completed.

- 1. Temporarily tighten the B panel unit holding screws "6", "7" and "8" (shown in Fig.1 and Fig.2) in their midway positions in the screw slots.
- 2. Insert paper, etc. in locations A and C as indicated in Fig.1 to block the G light and R light, and project only the B light. Using the remote control focus, adjust the focus until the middle left side of the pattern on the screen is in the best focus.
- 3. Loosen screws "6" (Fig.1) and screw "8" (Fig.2). Move the lower part of the B panel unit forward or backward until the upper left hand side of the screen is in sharp focus. For adjustment, insert a slot head screwdriver in the adjustment slot provided in the screw "8" mount, and perform the same method as the B panel unit.

Temporarily tighten screw "8".

- 4. Loosen screw "7" (Fig.2) and move the upper part of the B panel unit forward or backward until the lower left of the screen is in sharp focus.
 - Temporarily tighten screw "7".
- 5. Repeat steps 3 and 4 until the left hand B focus is in the best position possible, then tighten screws "7" and "8".
- 6. Move the B panel unit forward or backward on the side shown in Fig.1 until the right hand side of the screen is in sharp focus. Tighten screws "6".(Fig. 1)

CONVERGENCE ADJUSTMENTS

For convergence adjustment, with G (green) as the reference standard, align R and B by adjusting the position and angle of the R (red) and B (blue) LCD panels.

Before Adjustment:

Make sure each R, G, B LCD panel unit has been correctly installed, and that all focus adjustments have been completed before performing convergence adjustments. (See Focus Adjustments)

Below is an explanation regarding adjustment screws and panel movement.

Screws "1" and "2" shown in Fig.3 and Fig.4, hold the LCD panels in place (hex hole screws).

Screws "A", "B" and "C" shown in Fig.4 are for convergence adjustment.

The movement of the R and B patterns using the "A", "B" and "C" screws is as follows:

R Panel Adjustment

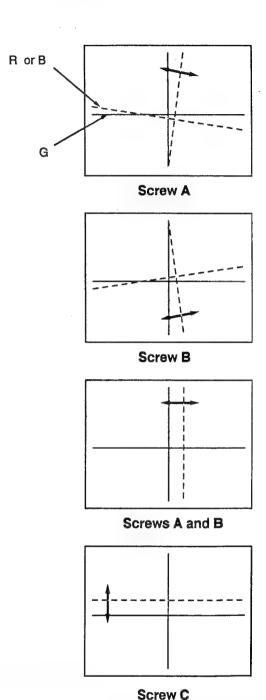
- 1. Insert paper, etc. in location A shown in Fig.2 to block the B light.
- 2. Loosen screws "1" and "2" on the R panel. (Refer to Fig.3 and 4)
- 3. Using screws "A" and "B" (Fig.4), align the R grid pattern vertical center line parallel with the G grid pattern vertical center line (at this time the horizontal line will also be parallel).

Adjust the "A", "B" screws with a slot type screwdriver.

- 4. Turn both "A" and "B" screws in the same direction to align the R vertical center line on top of the G vertical center line. Repeat procedures 3 and 4 if necessary.
- 5. Turn screw "C" by hand to align the R horizontal center line on top of the G horizontal center line.
- 6. By repeating steps 3 thru 5, align the R grid pattern directly on top of the G grid pattern.

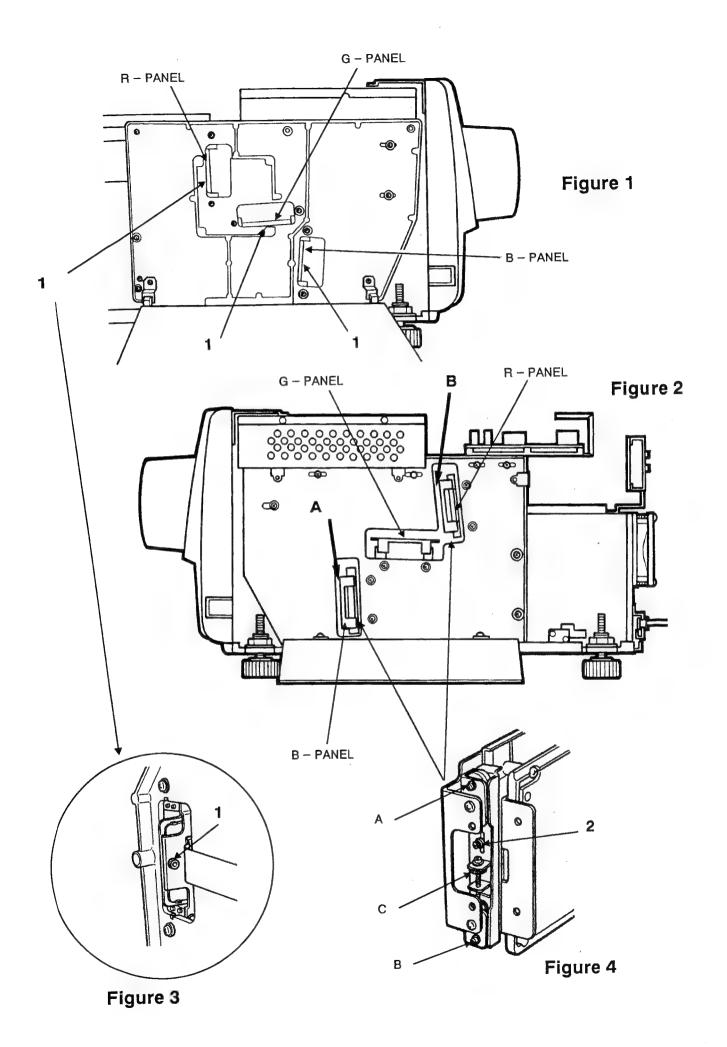
Convergence adjustment is always made on the center of the grid pattern. There may be some color misalignment on the periphery of the screen.

7. Tighten the R panel screws "1" and "2" when adjustment has been completed.



B Panel Adjustment

- 1. Insert paper, etc. in location B shown in Fig.2 to block the R light.
- 2. Loosen screws "1" and "2" on the B panel. (Refer to Fig.3 and 4)
- 3. The adjustment procedures for aligning the B grid pattern on top of the G grid pattern are the same as those or the R panel.



CLEANING METHODS

After long periods (many years) of use, dust and particles and other contamination will accumulate on the LCD panels, lens, mirror, etc. and the picture will tend to darken and color blurring may occur.

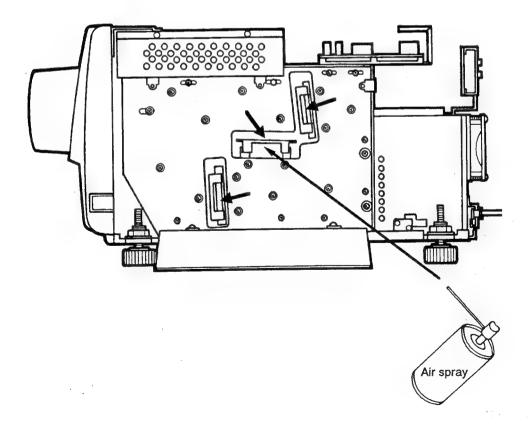
When this occurs, cleaning of the inside of the unit will be necessary. For dust and light accumulation of contamination, use an air spray to remove the dust. If the contamination cannot be removed by air spray, disassembly and cleaning of the unit will be necessary. Perform all cleaning according to the cleaning methods given below.

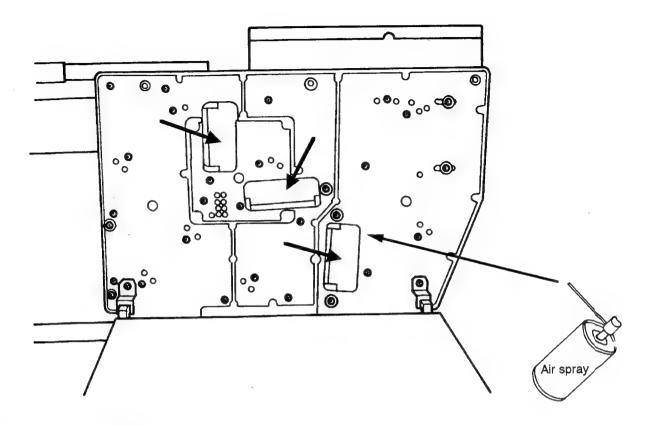
Caution:

Use a commercial (insert gas) air spray designed for camera cleaning use. Never use any cleaner other than that specified for cleaning the LCD panels, lens, mirror or polarizing plate. Also, never scrape with any hard material as this will cause damage.

Air Spray cleaning Method

Remove dust from the LCD units by inserting the air spray nozzle in the openings on both sides of the sets holding the LCD units. (Caution: Always use a nozzle made of resin. Also be very careful not to cause any damage to the LCD panel assembly parts with the nozzle tip.





Disassembly cleaning Method

After performing disassembly cleaning, adjustment of the unit will be necessary.

Disassembly cleaning should only be performed when there is considerable contamination which cannot be removed by air spray.

Caution:

Never remove the mirror. The position of the mirror is precisely set at the factory. Perform all cleaning of the mirror with it attached to the unit.

Disassemble and clean the LCD panel units.

Disassembly and assembly of the LCD panel units is performed according to the exploded view diagrams given for each panel, cleaning of the mirror is always performed with it attached to the main unit.

Perform the cleaning of each part according to the cleaning methods described below.

Polarizing Glass Lens

Remove dust, etc. by wiping with a soft cloth. For heavy contamination, remove by moistening the cloth with alcohol.

Caution:

Never use organic solvents (thinners, etc.) as their use will cause damage to these surfaces.

LCD Panels

Never use water or other liquids on the LCD panels. If the liquid gets into the circuits, damage will result.

Mirrors

Remove dust, etc. by wiping with a soft cloth. For heavy contamination, remove by moistening the cloth with alcohol.

Caution:

Never use organic solvents (thinners, etc.) as their use will cause damage to these surfaces.

SERVICE ADJUSTMENTS

+12 VOLT (ALWAYS) ADJUSTMENT

EQUIPMENTS Digital voltmeter CONNECTIONS TP 12 (K6V - pin 7)

TE 12 (ground)

INPUT SIGNAL Standard video signal

PICTURE CONDITION · · · · · Normal position.

ADJUSTMENT: Adjust VR601 to read 12.5 ± 0.1V DC.

HORIZ, OSC. FREQUENCY ADJUSTMENT

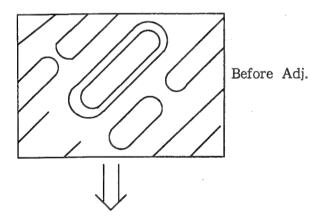
EQUIPMENTS · · · · · Short clip

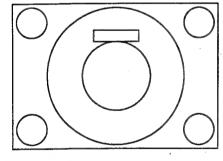
CONNECTIONS · · · · · TP 1F

TE 1E (ground)

INPUT SIGNAL · · · · · PAL Circular video signal

ADJUSTMENT: Adjust VR1J1 to below.





After Adj.

PAL/NTSC COLOUR ADJUSTMENT

1. CW Adjustment

EQUIPMENTS · · · · · Short clip

CONNECTIONS TP 1D

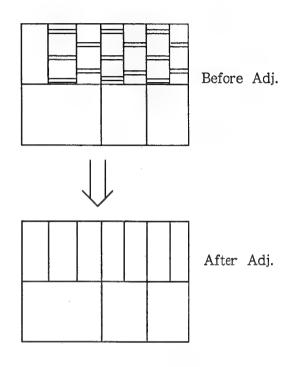
TE 1E (ground)

INPUT SIGNAL · · · · · PAL/NTSC3.58 Colour video

signal

PICTURE CONDITION · · · · · Normal position.

ADJUSTMENT: Adjust VC131 (PAL) and VC132(NTSC3.58) to below.



2. PAL Colour Adjustment

EQUIPMENTS · · · · · · Oscilloscope

CONNECTIONS · · · · · TP 1BY

TE 1E (ground)

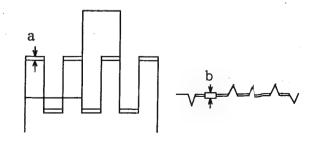
INPUT SIGNAL PAL Colour video signal

PICTURE CONDITION · · · · · Normal position

ADJUSTMENT: By using T121 adjust the ampitude of "a" shown below to be minimum.

By using VR121 adjust the amplitude of "b"

shown below to be minimum.



SECAM COLOUR ADJUSTMENT

1. Bell-Filter Adjustment

EQUIPMENTS · · · · · · · Oscilloscope

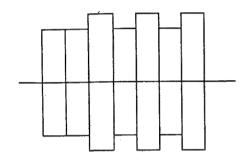
CONNECTIONS · · · · · TP 1A

TE 1E (ground)

INPUT SIGNAL · · · · · · · SECAM Colour video signal

PICTURE CONDITION · · · · · Normal position.

ADJUSTMENT: By using T041 adjust the envelope of the below wave form to be most straight.



2. SECAM ID Adjustment

EQUIPMENTS · · · · · · Oscilloscope (Special Probe)

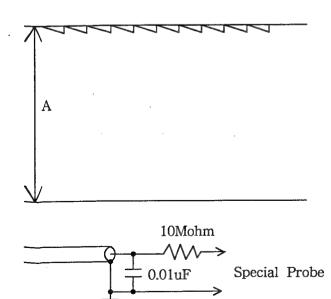
CONNECTIONS · · · · · TP 1C

TE 1E (ground)

INPUT SIGNAL · · · · · · · SECAM Colour video signal

PICTURE CONDITION · · · · · Normal position.

ADJUSTMENT: By using T131 adjust A to be maximum.



3. R-Y Adjustment

EQUIPMENTS · · · · · · · Oscilloscope

CONNECTIONS · · · · · TP RY

TE 1E (ground)

INPUT SIGNAL · · · · · · · SECAM Colour video signal

PICTURE CONDITION · · · · · Normal position.

ADJUSTMENT: By using T112 adjust "a" must be same as Center line of "b".

4 B-Y Adjustment

EQUIPMENTS · · · · · · Oscilloscope

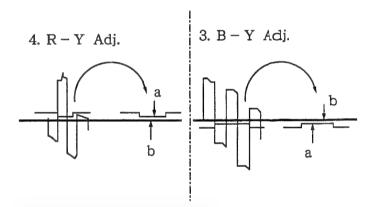
CONNECTIONS · · · · · TP BY

TE 1E (ground)

INPUT SIGNAL · · · · · · · SECAM Colour video signal

PICTURE CONDITION · · · · · Normal position.

ADJUSTMENT: By using T111 adjust "a" must be same as Center line of "b".



BLANKING PULSE ADJUSTMENT

EQUIPMENTS · · · · · · · Oscilloscope

CONNECTIONS · · · · · TP 23V

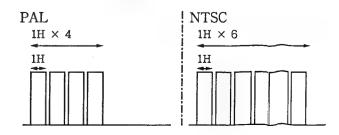
TE 31E (ground)

INPUT SIGNAL PAL/NTSC Circul ar video

signal

PICTURE CONDITION · · · · · Normal position.

ADJUSTMENT: By using VR481(PAL)/VR482(NTSC) adjust to the below.



AD INPUT ADJUSTMENT

EQUIPMENTS · · · · · · Oscilloscope

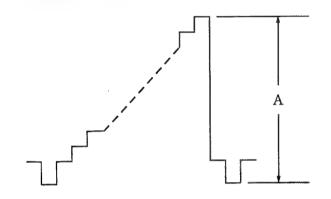
CONNECTIONS · · · · · TP 1G

TE 1E (ground)

INPUT SIGNAL Gray Scale video signal

PICTURE CONDITION · · · · · Normal position.

ADJUSTMENT: By using VR151 adjust A to be 3 ± 0.2Vpp



VCO OSC. ADJUSTMENT

1. VCO (18KHz) Adj.

EQUIPMENTS · · · · · Digital voltmeter

CONNECTIONS · · · · · TP 4D

TE 4E(ground)

INPUT SIGNAL · · · · · PAL Circuler video signal

PICTURE CONDITION · · · · · Normal position.

ADJUSTMENT: By using T421, adjust TP 4D-TP 4E to be

 2.5 ± 0.1 V.

2. VCO (15KHz) Adj.

EQUIPMENTS · · · · · Digital voltmeter

CONNECTIONS · · · · · · TP 4F

TE 4E(ground)

INPUT SIGNAL · · · · · PAL Circuler video signal

PICTURE CONDITION · · · · · Normal position.

ADJUSTMENT: By using T422, adjust TP 4F-TP 4E to be

 $2.5 \pm 0.1 V$.

VCO FREE OSC. ADJUSTMENT

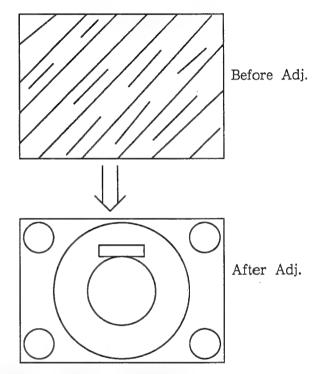
EQUIPMENTS · · · · · Short clip X2

CONNECTIONS · · · · · TP 4A , J872

TE 1E (ground)

INPUT SIGNAL PAL Circular video signal

ADJUSTMENT: Adjust T423 to below.



D/A OUTPUT LEVEL ADJUSTMENT

EQUIPMENTS · · · · · · · · Oscilloscope

CONNECTIONS · · · · · TP 31R (R)

TE 31G (G)

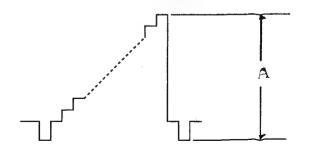
TE 31B (B)

TE 31E (ground)

INPUT SIGNAL · · · · · · · · Gray Scale video signal

PICTURE CONDITION · · · · · Normal position.

ADJUSTMENT: By using VR2303 (R), VR2302 (G), VR2301 (B) adjust A to be 1 ± 0.02Vpp



B-YADJUSTMENT

EQUIPMENTS · · · · · · Oscilloscope

CONNECTIONS · · · · · TP 33C

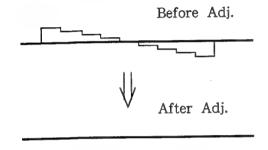
TE 31E (ground)

INPUT SIGNAL · · · · · · Gray Scale video signal

PICTURE CONDITION · · · · · Normal position.

ADJUSTMENT: By using VR301, adjust the wave form to

be straight.



SUB CONTRAST/BRIGHT ADJUSTMENT

EQUIPMENTS · · · · · · Oscilloscope

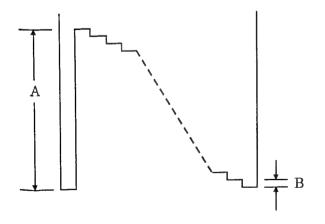
CONNECTIONS · · · · · TP 22G

TE 20E (ground)

INPUT SIGNAL · · · · · · · Gray Scale video signal

PICTURE CONDITION · · · · · Normal position.

ADJUSTMENT: By using VR503, adjust A to be 6.4 \pm 0.2 Vpp (Contrast) and by using VR210, adjust B to 2.0 \pm 0.1Vpp (Bright).



R & B GAIN ADJUSTMENT

EQUIPMENTS · · · · · Oscilloscope

CONNECTIONS · · · · · TP 22R (R GAIN CH1)

TP 22B (B GAIN CH1) TP 22G (CH2)

TE 20E (ground)

INPUT SIGNAL Gray Scale video signal

PICTURE CONDITION · · · · · Normal position.

ADJUSTMENT: By using VR205, adjust Black-DC Level to be same. and by using VR202, adjust Black-White Level to be same. (R GAIN) By using VR203, adjust Black-DC Level

to be same. and by using VR201, adjust Black-White Level to be same. (B GAIN)

COMON AMP. ADJUSTMENT

EQUIPMENTS · · · · · · · Oscilloscope

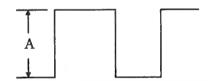
CONNECTIONS · · · · · TP 23G

TE 20E (ground)

INPUT SIGNAL Gray Scale video signal

PICTURE CONDITION · · · · · Normal position.

ADJUSTMENT: By using VR206, adjust A to be 6.4 ± 0.2 Vpp.



R.G.B. GATE VOLTAGE ADJUSTMENT

EQUIPMENTS · · · · · Digital voltmeter

CONNECTIONS · · · · · TP 52R (R +)

TP 22R (R -)

TP 52G (G +)

TP 22G (G -)

TP 52B (B +)

TP 22B (B -)

INPUT SIGNAL Gray Scale video signal

PICTURE CONDITION · · · · · Normal position.

ADJUSTMENT: By using VR551(R), VR561(G), VR571(B), adjust to the voltage of PANEL ± 0.2V.

R.G.B. COMON CENTER ADJUSTMENT

INPUT SIGNAL · · · Gray Scale video signal

PICTURE CONDITION · · · · Normal position.

ADJUSTMENT: By using VR207(R), VR209(G), VR208(B), adjust the picture to be darkest.

WHITE BALANCE ADJUSTMENT

INPUT SIGNAL · · · · · · · Gray Scale video signal

PICTURE CONDITION · · · · Normal position.

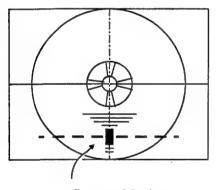
ADJUSTMENT: By using VR203(B-Bias Adj.) and VR205 (R-Bias Adj.), adjust to be balanced Gray Scale.

O.S.D. CENTER ADJUSTMENT

INPUT SIGNAL · · · · · · · NTSC Circular video signal

PICTURE CONDITION · · · · Normal position.

ADJUSTMENT: By using VR803, adjust the center of OSD to picture center.



Center Mark

REMOTE CONTROL TRANSMITTER SERVICE NOTE

To repair remote control transmitter, check as follows:

- 1. Check battery installation and battery voltage. If necessary, replace batteries.
- 2. Connect oscilloscope to Q1 "Base" and ground.
- 3. Check the amplitude pulse by pushing the remote control transmitter key in the due order.
- 4. If pulse does not appear, replace with a new unit.

CHASSIS ELECTRICAL PARTS LIST

Rroduct safety should be considered when a component replacement is made in any area of a receiver. Components indicated by a \triangle mark in this parts list and the circuit diagram show components whose value have special significance to product safety. It is particularly recommended that only parts specified on the following parts list be used for components replacement pointed out by the mark.

Note: Part order must contain Service Ref. No., Part Ref. No., Part No., and descriptions.

Ref. No. Part No.	Description	Ref. No.	Part No.	Description	
Read description in the Capacitor a CAPACITOR CERAMIC 100P K 50V	and Resister as follows:			ER ASSY-E4ZA UA	1346
Tolerance Less than A: Not spe D: ± 0.5P R: +0.25- Moer thar A: Not spe D: ± 0.59 R: +0.25- Moer thar A: Not spe D: ± 0.59 H: ± 3% L: ± 15% P: +100- U: +75-1 X: +40-2 Rated value:P=pice Material: CERAMICCeramic MT-PAPERMetallized POLYESTERPolyester MT-POLYESTMetallized POLYPROMetallized POLYPROMetallized COMPO FILMComposite MT-COMPOMetallized STYRENEStyrene TA-SOLIDTantalum S AL-SOLIDAluminium ELECTElectrolytic NP-ELECTNon-polar OS-SOLIDAluminium ELECTElectrolytic NP-ELECTNon-polar OS-SOLIDAluminium Semicondu DL-ELECTDoble Laye RESISTER CARBON 4.7K J A 1/4W Rated W Perform A:Gene Other: 1 Tolerance Sy A: ± 0.05% F: ± 1%	10PF edified B: ± 0.1PF C: ± 0.25PF F: ± 1PF G: ± 2PF F: ± 19K G: ± 2% G: ± 2% J: ± 5% K: ± 10% K: ± 10% K: ± 20% N: ± 30% C: +30-10% T: +50-10% V: +20-10% W: +100-10% V: +150-10% V: +150-10% V: +100-10% V: +150-10% V: +100-10% V: +150-10% V: +100-10% V: +100-10	TRANSIST Q601 Q602 Q603 Q604 Q606 Q607 INTEGRAT IC601 IC602 CAPACITO △C603 △C604 C606 C607 C608 C609 C610 C611 C612 C613 C614 C616 C617	406 000 6804 405 001 7407 405 001 7605 405 004 3109 405 004 3208 405 004 4205 405 006 1103 405 006 1202 405 016 9700 405 093 2304 405 093 2403 405 059 9804 405 059 9804 405 011 7305 405 011 7305 405 011 7305 405 011 7404 405 011 7305 405 012 2002 405 012 2309 405 012 2309 405 019 2708 405 019 3804 405 020 7501 405 020 7709 ED CIRCUIT 409 170 5301 409 180 2307	TR 2SC3070-CTV TR 2SC3752-L-YB TR 2SC3752-L-YB TR 2SC3752-M-YB TR 2SD1913-Q-RA TR 2SD1913-R-RA TR 2SB1274-Q-RA TR 2SB1274-Q-RA TR 2SC1740-R TR 2SC1740-R TR 2SC1740-S TR 2SC1815-GR TR 2SC1815-GR TR 2SC1815-Y TR 2SC36-G-NP TR 2SC36-G-NP TR 2SC36-G-NP TR 2SC36-G-NP TR 2SC36-G-NP TR 2SC945A-DA IC SI-3050C IC UPC1093J MT-COMPO	250V 400V 400V 400V 1K 1K 1K 1K 1K 1K 3C 50V 50V 50V

Ref. No.	Part No.	Description	Ref.No. Part No. Description
C621 C622 C623 C624 C626 C627 C628 C629 C631 C632 C634 C636	403 053 6904 403 045 9807 403 043 2008 403 067 5603	ELECT 2200U M 35V ELECT 330U M 35V ELECT 2200U M 25V ELECT 2200U M 16V MT-COMPO 0.1U J 50V ELECT 2200U M 16V MT-COMPO 0.1U J 50V	D611
RESISTE	R		A601A 610 229 4279 POWER ASSY-E4ZA-A A601B 610 229 4286 POWER ASSY-E4ZA-B
RTH601 R601	401 008 8607	THERMISTOR ERT-D5FFL5ROP CARBON 220K JA 1/2W	△PC601 408 014 9703 PC CNY17F-30PT1+6 △RL601 610 009 5540 RELAY
△R602 △R603 R604	402 000 8305 402 000 8305 401 080 2005	SOLID 5.6M KA 1/2W SOLID 5.6M KA 1/2W WIRE WOUND 3.3 KB 2W	610 230 5425 SIGNAL & CNTL PCB ASSY E4ZA UE2410
R607 R608	401 007 2903 401 007 2903	CARBON 1M JA 1/2W	TRANSISTER
R609 R610	401 065 2709 401 060 7402	OXIDE-MT 120 JA 2W	Q0C1 405 011 7305 TR 2SC1740-Q 405 011 7404 TR 2SC1740-R
R611 R612 R613 R614 R616 R617 R619 R621 R623 R624 R626 R627 R628 R629 R630 R631 R632	401 024 7400 401 025 8208 401 026 0607 401 026 1000 401 024 7400 401 024 7004 401 026 1000 401 026 1000 401 026 9907 401 026 9907 401 026 9907 401 024 7400 401 024 7400 401 025 7805 401 026 0607	CARBON 10K JA 1/6W CARBON 22K JA 1/6W CARBON 270 JA 1/6W CARBON 2.7K JA 1/6W CARBON 10K JA 1/6W CARBON 1K JA 1/6W CARBON 1 JB 1/2W CARBON 560 JB 1/4W CARBON 2.7K JA 1/6W CARBON 4.7K JA 1/6W CARBON 4.7K JA 1/6W CARBON 4.7K JA 1/6W CARBON 10K JA 1/6W CARBON 10K JA 1/6W CARBON 10K JA 1/6W CARBON 2.2K JA 1/6W CARBON 2.2K JA 1/6W CARBON 1K	405 011 7404 TR 2SC1740-R 405 011 7503 TR 2SC1740S-Q 405 011 8401 TR 2SC1740S-R 405 011 8609 TR 2SC1740S-R 405 012 2002 TR 2SC1815-GR 405 012 2101 TR 2SC1815-O 405 012 2309 TR 2SC1815-Y 405 019 1909 TR 2SC536-E-NP 405 019 2708 TR 2SC536-F-NP 405 019 3804 TR 2SC536-G-NP 405 020 7501 TR 2SC945A-PA 405 020 7709 TR 2SC945A-PA 405 020 7907 TR 2SC945A-RA Q0C2 405 011 7404 TR 2SC1740-Q 405 011 7503 TR 2SC1740-S 405 011 8401 TR 2SC1740S-R
VARIABL VR601	E RESISTER 610 019 4021	VR B-1K	405 011 8609 TR 2SC1740S-S 405 012 2002 TR 2SC1815-GR
TRANSF0 △T601		CONVERTER TRANS	405 012 2309 TR 2SC1815-Y 405 019 1909 TR 2SC536-E-NP
COIL L601 L602 L603 L604 L611 L612	610 212 6013 610 229 8932 610 031 5952 610 031 6188 610 031 1336 610 211 3488	LINE FILTER LINE FILTER LINE FILTER INDUCTOR 120UHK	405 019 2708 TR 2SC536-F-NP 405 019 3804 TR 2SC536-G-NP 405 020 7501 TR 2SC945A-PA 405 020 7709 TR 2SC945A-QA 405 020 7907 TR 2SC945A-RA Q0C3 405 011 7305 TR 2SC1740-Q 405 011 7404 TR 2SC1740-R 405 011 7503 TR 2SC1740-S
D1 ODE D603 D605 D606	407 003 5504 407 013 1008 407 013 4306	DIODE RBV-408 DIODE DBA10C DIODE 151553 DIODE 152076A DIODE 152471	405 011 8401 TR 2SC1740S-Q 405 011 8500 TR 2SC1740S-R 405 011 8609 TR 2SC1740S-S 405 012 2002 TR 2SC1815-GR 405 012 2101 TR 2SC1815-O 405 012 2309 TR 2SC1815-Y 405 019 1909 TR 2SC536-E-NP
D607 D608 D610	407 007 6606 407 013 1008 407 013 4306 407 013 6508 407 005 4505 407 013 1206 407 013 4207	DIODE ES1 DIODE 1S1553	405 019 1999 TR 2SC336-E-NP 405 019 3804 TR 2SC536-G-NP 405 019 3804 TR 2SC536-G-NP 405 020 7501 TR 2SC945A-PA 405 020 7709 TR 2SC945A-OA 405 020 7907 TR 2SC945A-RA Q0C4 406 000 6804 TR 2SA1015-GR(SAN) 405 001 7407 TR 2SA1015-O(SAN) 405 001 7605 TR 2SA1015-Y(SAN)

Ref. No.	Part No.	Description	Ref.No.	Part No.	Description
	405 004 3109 405 004 3208 405 004 4205 405 004 4809 405 006 1103	TR 2SA564A-Q (CU) TR 2SA564A-R (CU) TR 2SA608-E-CTV-NP TR 2SA608-F-CTV-NP TR 2SA933-Q	Q021	405 011 73 405 011 73 405 011 73 405 011 8	404 TR 2SC1740-R 503 TR 2SC1740-S 401 TR 2SC1740S-Q
Q 0C5	405 006 1202 405 006 1707 405 006 1806 405 011 7305 405 011 7404 405 011 7503	TR 2SA933-R TR 2SA933S-Q TR 2SA933S-R TR 2SC1740-Q TR 2SC1740-R TR 2SC1740-S		405 011 8 405 011 8 405 012 2 405 012 2 405 012 2 405 019 1	609 TR 2SC1740S-S 002 TR 2SC1815-GR 101 TR 2SC1815-0 309 TR 2SC1815-Y 909 TR 2SC536-E-NP
	405 011 8401 405 011 8500 405 011 8609 405 012 2002 405 012 2101 405 012 2309	TR 2SC1740S-Q TR 2SC1740S-R TR 2SC1740S-S TR 2SC1815-GR TR 2SC1815-O TR 2SC1815-Y	Q022	405 019 2 405 019 3 405 020 7 405 020 7 405 020 7 405 011 7 405 011 7	804 TR 2SC536-G-NP 501 TR 2SC945A-PA 709 TR 2SC945A-QA 907 TR 2SC945A-RA 305 TR 2SC1740-Q
2001	405 019 1909 405 019 2708 405 019 3804 405 020 7501 405 020 7907 405 020 7907	TR 2SC536-E-NP TR 2SC536-F-NP TR 2SC536-G-NP TR 2SC945A-PA TR 2SC945A-QA TR 2SC945A-RA TR 2SC945A-RA		405 011 7 405 011 8 405 011 8 405 011 8 405 012 2 405 012 2	503 TR 2SC1740-S 401 TR 2SC1740S-Q 500 TR 2SC1740S-R 609 TR 2SC1740S-S 7002 TR 2SC1815-GR
Q0G1	405 011 7305 405 011 7404 405 011 7503 405 011 8401 405 011 8500 405 011 8609 405 012 2002 405 012 2101	TR 2SC1740-S TR 2SC1740S-Q TR 2SC1740S-R TR 2SC1740S-S		405 012 2 405 019 1 405 019 2 405 019 3 405 020 7 405 020 7	1309 TR 2SC1815-Y 909 TR 2SC536-E-NP 1708 TR 2SC536-F-NP 1804 TR 2SC536-G-NP 1501 TR 2SC945A-PA 1709 TR 2SC945A-QA 1907 TR 2SC945A-RA
Q0G2	405 012 2309 405 019 1909 405 019 2708 405 019 3804 405 020 7501 405 020 7709 405 020 7907 405 011 7305	TR 2SC1815-Y TR 2SC536-E-NP TR 2SC536-F-NP TR 2SC536-G-NP TR 2SC945A-PA TR 2SC945A-QA TR 2SC945A-QA	Q023 Q041	405 018 2 405 011 7 405 011 7 405 011 8 405 011 8 405 011 8 405 012 2	2808 TR 2SC3402 7305 TR 2SC1740-Q 7404 TR 2SC1740-R 7503 TR 2SC1740-S 8401 TR 2SC1740S-Q 8500 TR 2SC1740S-R 8609 TR 2SC1740S-S 2002 TR 2SC1815-GR
4002	405 011 7404 405 011 7503 405 011 8401 405 011 8500 405 011 8609 405 012 2002 405 012 2101 405 012 2309	TR 2SC1740-R TR 2SC1740-S TR 2SC1740S-Q TR 2SC1740S-R TR 2SC1740S-S TR 2SC1815-GR TR 2SC1815-O TR 2SC1815-Y	00.00	405 012 2 405 012 2 405 019 1 405 019 2 405 020 7 405 020 7 405 020 7	2101 TR 2SC1815-0 2309 TR 2SC1815-Y 1909 TR 2SC536-E-NP 2708 TR 2SC536-F-NP 3804 TR 2SC536-G-NP 7501 TR 2SC945A-PA 7709 TR 2SC945A-QA 7907 TR 2SC945A-RA
Q0G3	405 019 1905 405 019 2708 405 019 3804 405 020 7501 405 020 7705 405 020 7907 405 016 2206 405 016 2305	TR 2SC536-F-NP TR 2SC536-G-NP TR 2SC945A-PA TR 2SC945A-QA TR 2SC945A-RA TR 2SC2878-A TR 2SC2878-B	Q042	405 011 7 405 011 7 405 011 8 405 011 8 405 011 8 405 012 2 405 012 2	7404 TR 2SC1740-R 7503 TR 2SC1740-S 8401 TR 2SC1740S-Q 8500 TR 2SC1740S-R 8609 TR 2SC1740S-S 2002 TR 2SC1815-GR 2101 TR 2SC1815-0
Q0G4 Q0P1	405 016 2206 405 016 2309 405 011 7309 405 011 7404 405 011 7500 405 011 840 405 011 8500 405 011 860	5 TR 2SC2878-B 5 TR 2SC1740-Q 4 TR 2SC1740-R 3 TR 2SC1740-S 1 TR 2SC1740S-Q 0 TR 2SC1740S-R 3 TR 2SC1740S-S	0061	405 012 2 405 019 1 405 019 3 405 020 7 405 020 7 405 020 7 405 020 7	1909 TR 2SC536-E-NP 2708 TR 2SC536-F-NP 3804 TR 2SC536-G-NP 7501 TR 2SC945A-PA 7709 TR 2SC945A-QA 7907 TR 2SC945A-RA 2501 TR 2SC3399
	405 012 2007 405 012 210 405 019 1909 405 019 2709 405 019 3809 405 020 750 405 020 7709	TR 2SC1815-0 TR 2SC536-E-NP TR 2SC536-F-NP TR 2SC536-G-NP TR 2SC536-G-NP TR 2SC945A-PA	Q062 Q063	405 018 2 405 011 7 405 011 7 405 011 8 405 011 8 405 011 8	7305 TR 2SC1740-Q 7404 TR 2SC1740-R 7503 TR 2SC1740-S 8401 TR 2SC1740S-Q 8500 TR 2SC1740S-R

Ref. No.	Part No.	Description	Ref.No.	Part No.	Description
	405 012 2101	TR 2SC1815-GR TR 2SC1815-0		405 019 2 405 019 3	3804 TR 2SC536-G-NP
	405 012 2309 405 019 1909	TR 2SC1815-Y TR 2SC536-E-NP		405 020 7 405 020 7	
	405 019 2708	TR 2SC536-F-NP		405 020 7	7907 TR 2SC945A-RA
	405 019 3804		.01A1	405 011 7	
	405 020 7501 405 020 7709	TR 2SC945A-PA TR 2SC945A-QA		405 011 7 405 011 7	
	405 020 7907	TR 2SC945A-RA		405 011 8	8401 TR 2SC1740S-Q
Q069	405 011 7305 405 011 7404			405 011 8	
	405 011 7404			405 011 8 405 012 2	
	405 011 8401	TR 2SC1740S-Q		405 012 2	2101 TR 2SC1815-0
	405 011 8500 405 011 8609			405 012 2 405 019 1	
	405 012 2002	TR 2SC1815-GR		405 019 2	2708 TR 2SC536-F-NP
	405 012 2101 405 012 2309			405 019 3 405 020 7	
	405 012 2303			405 020 7	
	405 019 2708		0151	405 020 7	
	405 019 3804 405 020 7501		Q1F1	405 011 7 405 011 7	
	405 020 7709	TR_2SC945A-QA		405 011 7	7503 TR 2SC1740-S
Q081	405 020 7907 405 011 7305			405 011 8 405 011 8	
Q001	405 011 7404	TR 2SC1740-R		405 011 8	
	405 011 7503	TR 2SC1740-S		405 012 2	
	405 012 2002 405 012 2101			405 012 2 405 012 2	
	405 012 2309	TR 2SC1815-Y		405 019 1	1909 TR 2SC536-E-NP
	405 019 1909 405 019 2708	TR 2SC536-E-NP TR 2SC536-F-NP		405 019 2 405 019 3	
	405 019 3804	TR 2SC536-G-NP		405 020 7	7501 TR 2SC945A-PA
	405 020 7501 405 020 7709	TR 2SC945A-PA TR 2SC945A-QA		405 020 7 405 020 7	7709 TR 2SC945A-QA 7907 TR 2SC945A-RA
	405 020 7907	TR 2SC945A-RA	Q1F2	405 018 2	
Q082	405 011 7305	TR 2SC1740-Q	Q1F3	405 011 7	7305 TR 2SC1740-0
	405 011 7404 405 011 7503	TR 2SC1740-R TR 2SC1740-S		405 011 7 405 011 7	
	405 012 2002	TR 2SC1815-GR		405 011 8	8401 TR 2SC1740S-Q
	405 012 2101 405 012 2309			405 011 8 405 011 8	
	405 019 1909	TR 2SC536-E-NP		405 012 2	2002 TR 2SC1815-GR
		TR 2SC536-F-NP TR 2SC536-G-NP		405 012 2 405 012 2	2101 TR 2SC1815-0 2309 TR 2SC1815-Y
		TR 2SC945A-PA		405 012 2	
		TR 2SC945A-QA		405 019 2	2708 TR 2SC536-F-NP
Q083		TR 2SC945A-RA TR 2SC1740-Q		405 019 3 405 020 7	
	405 011 7404	TR 2SC1740-R		405 020 7	7709 TR 2SC945A-QA
		TR 2SC1740-S TR 2SC1815-GR	Q1F4	405 020 7 405 011 7	7907 TR 2SC945A-RA 7305 TR 2SC1740-0
	405 012 2101	TR 2SC1815-0	4117	405 011 7	7404 TR 2SC1740-R
	405 012 2309 405 019 1909			405 011 7 405 011 8	
	405 019 2708	TR 2SC536-F-NP		405 011 8	
		TR 2SC536-G-NP		405 011 8	
	405 020 7501	TR 2SC945A-PA TR 2SC945A-QA		405 012 2 405 012 2	
	405 020 7907	TR 2SC945A-RA		405 012 2	2309 TR 2SC1815-Y
Q 084	405 011 7305 405 011 7404	TR 2SC1740-Q TR 2SC1740-R		405 019 1 405 019 2	
	405 011 7503	TR 2SC1740-S		405 019 3	3804 TR 2SC536-G-NP
	405 011 8401	TR 2SC1740S-Q TR 2SC1740S-R		405 020 7 405 020 7	
	405 011 8609	TR 2SC1740S-S		405 020 7	
	405 012 2002	TR 2SC1815-GR	Q1F5	406 000 6	5804 TR 2SA1015-GR(SAN)
	405 012 2101 405 012 2309	TR 2SC1815-0 TR 2SC1815-Y		405 001 7 405 001 7	
		TR 2SC536-E-NP		405 004 3	

Ref. No.	Part No. Description	Ref.No.	Part No.	Description	·
0131 0132 0151	405 004 3208 TR 2SA564A-R(CU) 405 004 4205 TR 2SA608-E-CTV-NP 405 006 4809 TR 2SA608-F-CTV-NP 405 006 1103 TR 2SA933-Q 405 006 1202 TR 2SA933-R 405 006 1707 TR 2SA933S-Q 405 006 1806 TR 2SA933S-R 405 018 2501 TR 2SC3399 405 018 2501 TR 2SC3399 406 000 6804 TR 2SA1015-GR(SAN) 405 001 7407 TR 2SA1015-GR(SAN) 405 001 7605 TR 2SA1015-O(SAN) 405 004 3109 TR 2SA564A-Q(CU) 405 004 4205 TR 2SA608-E-CTV-NP 405 004 4809 TR 2SA608-F-CTV-NP 405 004 1103 TR 2SA933-Q	Q173	405 012 2' 405 012 2' 405 019 1' 405 019 2' 405 019 3' 405 020 7' 405 020 7' 405 011 7' 405 011 7' 405 011 8' 405 011 8' 405 012 2' 405 012 2'	309 TR 2SC1815-Y 309 TR 2SC536-E-NP 708 TR 2SC536-F-NP 804 TR 2SC536-G-NP 501 TR 2SC945A-PA 709 TR 2SC945A-QA 907 TR 2SC945A-QA 907 TR 2SC1740-Q 404 TR 2SC1740-R 503 TR 2SC1740-S 401 TR 2SC1740-S 401 TR 2SC1740S-R 609 TR 2SC1740S-R 609 TR 2SC1740S-S 7002 TR 2SC1815-GR 101 TR 2SC1815-0	
0152	405 006 1202 TR 2SA933-R 405 006 1707 TR 2SA933S-Q 405 006 1806 TR 2SA933S-Q 405 011 7305 TR 2SC1740-Q 405 011 7404 TR 2SC1740-R 405 011 7503 TR 2SC1740-S 405 011 8401 TR 2SC1740S-Q 405 011 8500 TR 2SC1740S-R 405 012 2002 TR 2SC1740S-S 405 012 2002 TR 2SC1815-GR 405 012 2309 TR 2SC1815-Y 405 019 1909 TR 2SC536-E-NP 405 019 2708 TR 2SC536-F-NP 405 019 3804 TR 2SC536-G-NP	0174	405 012 2 405 019 1 405 019 2 405 019 3 405 020 7 405 020 7 405 011 7 405 011 7 405 011 8 405 011 8 405 012 2 405 012 2	909 TR 2SC536-E-NP 708 TR 2SC536-F-NP 804 TR 2SC536-G-NP 501 TR 2SC945A-PA 709 TR 2SC945A-RA 907 TR 2SC945A-RA 305 TR 2SC1740-R 503 TR 2SC1740-R 503 TR 2SC1740-S 600 TR 2SC1740S-R 600 TR 2SC1740S-R 600 TR 2SC1740S-S 600 TR 2SC1815-GR 6101 TR 2SC1815-0	
	405 020 7501 TR 2SC945A-PA 405 020 7709 TR 2SC945A-QA 405 020 7907 TR 2SC945A-RA 405 011 7404 TR 2SC1740-R 405 011 7503 TR 2SC1740-S 405 011 8401 TR 2SC1740S-Q 405 011 8500 TR 2SC1740S-R 405 011 8609 TR 2SC1740S-R 405 012 2002 TR 2SC1740S-S 405 012 2010 TR 2SC1815-GR 405 012 2101 TR 2SC1815-GR 405 012 2309 TR 2SC1815-Y 405 019 1909 TR 2SC536-E-NP 405 019 3804 TR 2SC536-G-NP	0175	405 012 2 405 019 1 405 019 3 405 020 7 405 020 7 405 011 7 405 011 7 405 011 8 405 011 8 405 011 8 405 012 2	909 TR 2SC536-E-NP 1708 TR 2SC536-F-NP 1804 TR 2SC536-G-NP 1709 TR 2SC945A-PA 1709 TR 2SC945A-RA 1709 TR 2SC1740-Q 1700 TR 2SC1740-R 1700 TR 2SC1740-R 1700 TR 2SC1740-S 1700 TR 2SC1740S-R	
0171	405 020 7501 TR 2SC945A-PA 405 020 7709 TR 2SC945A-QA 405 020 7907 TR 2SC945A-RA 405 011 7305 TR 2SC1740-Q 405 011 7404 TR 2SC1740-R 405 011 7503 TR 2SC1740-S 405 011 8401 TR 2SC1740S-Q 405 011 8500 TR 2SC1740S-R 405 011 8609 TR 2SC1740S-R 405 012 2002 TR 2SC1815-GR 405 012 2002 TR 2SC1815-Q 405 012 2309 TR 2SC1815-Y 405 019 1909 TR 2SC536-E-NP	0176	405 012 2 405 012 2 405 019 1 405 019 2 405 020 7 405 020 7 405 011 7 405 011 7 405 011 8 405 011 8	R309 TR 2SC1815-Y R909 TR 2SC536-E-NP R708 TR 2SC536-F-NP R804 TR 2SC536-G-NP R501 TR 2SC945A-PA R709 TR 2SC945A-PA R907 TR 2SC945A-RA R305 TR 2SC1740-Q R404 TR 2SC1740-R R503 TR 2SC1740-S R401 TR 2SC1740S-R R500 TR 2SC1740S-R	
0172	405 019 2708 TR 2SC536-F-NP 405 019 3804 TR 2SC536-G-NP 405 020 7501 TR 2SC945A-PA 405 020 7709 TR 2SC945A-QA 405 020 7907 TR 2SC945A-RA 405 011 7305 TR 2SC1740-Q 405 011 7404 TR 2SC1740-R 405 011 7503 TR 2SC1740-S 405 011 8401 TR 2SC1740S-Q 405 011 8500 TR 2SC1740S-R 405 011 8609 TR 2SC1740S-S	Q177	405 011 2 405 012 2 405 012 2 405 019 1 405 019 3 405 020 7 405 020 7 405 020 7 405 011 7	7002 TR 2SC1815-GR 7101 TR 2SC1815-0 7309 TR 2SC1815-Y 7009 TR 2SC536-E-NP 7008 TR 2SC536-F-NP 7004 TR 2SC536-G-NP 7501 TR 2SC945A-PA 7709 TR 2SC945A-QA 7907 TR 2SC945A-RA	

Ref. No.	Part No.	Description	Ref.No.	Part No.	Description	
	405 011 7404			405 011 85		
	405 011 7503			405 011 86		
	405 011 8401	TR 2SC1740S-Q TR 2SC1740S-R	İ	405 012 20 405 012 21	002 TR 2SC1815-GR 101 TR 2SC1815-0	
	405 011 8500 405 011 8609			405 012 23		·
	405 012 2002			405 019 19		
	405 012 2101	TR 2SC1815-0		405 019 27	708 TR 2SC536-F-NP	
	405 012 2309	TR 2SC1815-Y		405 019 38		
	405 019 1909	TR 2SC536-E-NP		405 020 75 405 020 77		
	405 019 2708 405 019 3804			405 020 79		
	405 020 7501		0801	405 018 28		
	405 020 7709	TR 2SC945A-QA	0802	405 018 28		
	405 020 7907		0803	405 018 28		
Q179		TR 2SA1015-GR(SAN)	Q804 Q805	405 018 28 405 018 28		
	405 001 7407 405 001 7605	TR 2SA1015-0(SAN) TR 2SA1015-Y(SAN)	0806	405 018 28		
	405 004 3109		0821	405 023 49	903 TR 2SD400-D-MP	
	405 004 3208			405 023 50	009 TR 2SD400-E-MP	
	405 004 4205	TR 2SA608-E-CTV-NP		405 023 53		
	405 004 4809		Q824	405 011 73 405 011 74		
	405 006 1103 405 006 1202			405 011 74		
	405 006 1707	TR 25A933S-Q		405 011 84		
	405 006 1806	TR 2SA933S-R		405 011 89	500 TR 2SC1740S-R	
Q181	406 000 6804	TR 2SA1015-GR(SAN)		405 011 86		
		TR 2SA1015-0 (SAN)		405 012 20	002 TR 2SC1815-GR	
	405 001 7605 405 004 3109			405 012 2 405 012 2	101 TR 2SC1815-0 309 TR 2SC1815-Y	
	405 004 3103		1	405 019 19	909 TR 2SC536-E-NP	
	405 004 4205			405 019 2		
	405 004 4809	TR 2SA608-F-CTV-NP	1	405 019 3		
	405 006 1103			405 020 7		
	405 006 1202 405 006 1707	? TR 2SA933~R 7 TR 2SA933S-Q		405 020 7° 405 020 7°	709 TR 2SC945A-QA 907 TR 2SC945A-RA	
	405 006 1707		Q829	405 018 2	808 TR 2SC3402	
Q182	405 011 7305		Q831	405 018 2	501 TR 2SC3399	
	405 011 7404	TR 2SC1740-R	Q842	405 011 73	305 TR 2SC1740-Q	
	405 011 7503	3 TR 2SC1740-S		405 011 74		
	405 011 8401 405 011 8500			405 011 79 405 011 84		
	405 011 8609	TR 2SC17403-N		405 011 8	500 TR 2SC1740S-R	
	405 012 2002	? TR 2SC1815-GR		405 011 8	609 TR 2SC1740S-S	
	405 012 2101	TR 2SC1815-0		405 012 20	002 TR 2SC1815-GR	
		TR 2SC1815-Y		405 012 2		
		TR 2SC536-E-NP TR 2SC536-F-NP		405 012 23 405 019 19		
		TR 2SC536-G-NP		405 019 2		
	405 020 7501	TR 2SC945A-PA		405 019 3	804 TR 2SC536-G-NP	
	405 020 7709	TR 2SC945A-QA		405 020 7		
0100	405 020 7907	7 TR 2SC945A-RA		405 020 7° 405 020 7°		•
Q183		5 TR 2SC1740-Q 4 TR 2SC1740-R	0843	405 020 73		
	405 011 7503	3 TR 2SC1740-S	40-10	405 011 7		
	405 011 8401	TR 2SC1740S-Q		405 011 7	503 TR 2SC1740-S	
	405 011 8500) TR 2SC1740S-R		405 011 8	401 TR 2SC1740S-Q	
	405 011 8609	3 TR 2SC1740S-S		405 011 8		
	405 012 2002	2 TR 2SC1815-GR 1 TR 2SC1815-0		405 011 80 405 012 20		
	405 012 2309	TR 25C1815-V		405 012 2	101 TR 2SC1815-0	
	405 019 1909	TR 2SC536-E-NP		405 012 23	309 TR 2SC1815-Y	
	405 019 2708	3 TR 2SC536-F-NP		405 019 19		
		4 TR 2SC536-G-NP		405 019 2		
	405 020 7501	I TR 2SC945A-PA 3 TR 2SC945A-QA		405 019 38 405 020 7		
	405 020 7703	7 TR 2SC945A-RA		405 020 7		
Q184		5 TR 2SC1740-Q		405 020 79	907 TR 2SC945A-RA	
	405 011 7404	1 TR 2SC1740-R	Q844	405 011 73	305 TR 2SC1740-Q	
		3 TR 2SC1740-S		405 011 74 405 011 75		
	405 011 840	TR 2SC1740S-Q		400 011 /	000 IN Z361740~3	
					····	

Ref. No. Par	t No.	Description	Ref.No.	Part No.	Description		
40!	5 011 8401	TR 2SC1740S-Q	C0C1	403 069 83	305 CERAMIC	0. 01U Z	50V
40!	5 011 8500	TR 2SC1740S-R	COG1	403 041 88	804 ELECT	10U M	16V
40	5 011 8609	TR 2SC1740S-S	COG2	403 041 88 403 042 24		10U M 100U M	16V 16V
40	5 012 2002	TR 2SC1815-GR	COG5 COM1	403 044 1		470U M	167
40:	5 012 2101 5 019 1909	TR 2SC1815-0 TR 2SC536-E-NP	C001	403 041 8		10U M	16V
.40 .40	5 019 2708	TR 2SC536-F-NP	C002	403 041 8	804 ELECT	10U M	16V
	5 019 3804	TR 2SC536-G-NP	C003	403 041 8	804 ELECT	10U M	16V
40	5 020 7501	TR 2SC945A-PA	C004	403 041 8	804 ELECT	10U M	16V
40	5 020 7709	TR 2SC945A-QA	C005	403 041 8		10U M 10U M	16V
40	5 020 7907	TR 2SC945A-RA	C006	403 041 8 403 043 9	804 ELECT 106 ELECT	47U M	16V 16V
	5 018 2808	TR 2SC3402 TR 2SC3402	C007 C008	403 043 9	106 ELECT	47U M	16V
	5 018 2808 5 018 2501	TR 2SC3399	C009	403 043 9		47U M	16V
Q861 40 Q871 40	5 011 7305	TR 2SC1740-Q	C010	403 043 9	106 ELECT	47U M	167
40	5 011 7404	TR 2SC1740-R	C015	403 041 8		10U M	16V
40	5 011 7503	TR 2SC1740-S	C016	403 041 8		10U M	16V
40	5 011 8401	TR 2SC1740S-Q	C019	403 085 6 403 042 2	804 NP-ELECT 405 ELECT	47U M 100U M	16V 16V
40	5 011 8500	TR 2SC1740S-R	C021 C024	403 042 2	305 CERAMIC	0. 01U Z	507
40	5 011 8609	TR 2SC1740S-S TR 2SC1815-GR	C025	403 069 8	305 CERAMIC	0. 01U Z	507
40	05 012 2002 05 012 2101	TR 2SC1815-0	C026	403 042 2	405 ELECT	100U M	167
4C	5 012 2309	TR 2SC1815-Y	C031	403 026 1	103 CERAMIC	47P J	507
40	5 019 1909	TR 2SC536-E-NP	C032	403 022 6		33P J	50Y
40	5 019 2708	TR 2SC536-F-NP	C036	403 068 9	006 CERAMIC	100P K	50Y
40	5 019 3804	TR 2SC536-G-NP	C037 C040	403 071 5 403 069 8	606 CERAMIC 305 CERAMIC	220P K 0.01U Z	50Y 50Y
	5 020 7501	TR 2SC945A-PA	C040	403 033 3	602 CERAMIC	82P J	50Y
4(05 020 7709 05 020 7907	TR 2SC945A-QA TR 2SC945A-RA	C041	403 009 3		100P J	50Y
0872 40	05 011 7305	TR 2SC1740-Q	C043	403 043 9	106 ELECT	47U M	167
4072	5 011 7404	TR 2SC1740-R	C044	403 069 8	305 CERAMIC	0. 01U Z	50Y
40	05 011 7503	TR 2SC1740-S	C045	403 085 6	804 NP-ELECT	47U M	167
40	05 011 8401	TR 2SC1740S-Q	C046 C047	403 042 2 403 069 8	405 ELECT 305 CERAMIC	100U M 0.01U Z	167 507
	05 011 8500	TR 2SC1740S-R	C047	403 009 3	3407 CERAMIC	100P J	507
41	05 011 8609 05 012 2002	TR 2SC1740S-S TR 2SC1815-GR	C049	403 020 5	008 CERAMIC	270P J	50Y
41	05 012 2101	TR 2SC1815-0	C051	403 043 9	1106 ELECT	47U M	167
4	05 012 2309	TR 2SC1815-Y	C052	403 043 9		47U M	167
41	05 019 1909	TR 2SC536-E-NP	C053	403 028 2		56P J	50Y
41	05 019 2708	TR 2SC536-F-NP	C054	403 014 8 403 069 8	3008 CERAMIC 3305 CERAMIC	180P J 0.01U Z	50Y 50Y
4	05 019 3804	TR 2SC536-G-NP	C055 C056	403 069 8		0. 010 Z	50Y
4	05 020 7501 05 020 7709	TR 2SC945A-PA TR 2SC945A-QA	C057	403 026 1		47P J	50Y
	05 020 7907		C058	403 013 1		150P J	50 7
			C059	403 069 8		0.01U Z	507
INTEGRATED	CIRCUIT		C060	403 043 6		330U M	167
	09 119 3702		C062	403 043 9 403 085 6		47U M 47U M	167 167
	10 067 3201	IC TEA2014A	C063 C064	403 085 6	0106 ELECT	470 M	16
	09 146 7209 09 132 7909	IC LA7222 IC MC14053BCP	C065	403 043 8		0. 01U Z	50Y
10051 4	09 051 3006	IC TC4053BP	C066	403 043 9	106 ELECT	47U M	167
4	09 059 2407		C067	403 042 2	2405 ELECT	100U M	16
10052 4	09 221 1306	IC HCF0222	C068	403 069 8	3305 CERAMIC	0.01U Z	507
10061 4	09 146 7209	IC LA7222	C069	403 042 2		100U M	167
10091 4	09 073 1509	1C AN5265	C081	403 085 4 403 085 4	1008 NP-ELECT	10U M 10U M	16/ 16/
IC1A1 4	09 195 4501	IC TDA2579A/N8	C082 C083	403 085 4		5600P K	50)
	10 036 7209 10 047 9803		6003	403 062 5	707 POLYESTER	5600P K	507
IC1K1 4	10 047 9603	IC SN74LS123N	C084	403 086 2		1U M	50
101101 4	09 042 6900		C085	403 042 2	2405 ELECT	100U M	16/
IC101 · 4	10 039 7008		C086	403 049 (0008 ELECT	1U M	50
IC102 4	09 185 8908	IC TDA4580/N4	C087	403 049 0	0008 ELECT	1U M	50
	10 115 6604	IC M37102M8-820SP	C088	403 049 4		10U M	50) 50)
10802 4	09 032 3803	IC MN1280-S	C089 C090	403 049 4 403 062 0		10U M 0. 047U K	50 50
10803 4	09 199 5306 09 160 0507	IC M6M80011AP IC UPD6326C	1 0000	403 062 1			50)
10804 4 10851 4	109 114 4803	IC LB1641	C091	403 047 5		470U M	25
10852 4	09 114 4803		C092	403 045 1	504 ELECT	1000U M	25
			C1A1	403 059 5	5901 POLYESTER 5700 POLYESTER	0.022U K	50¦
CAPACITOR							50

ef. No.	Part No.	Description	·	Ref.No.	Part No.		Description		
C1A2	403 067 6501		18U J 50V	C172			ELECT	100U M	16V
C1A3	403 085 4008		10U M 16V	C805	403 05		POLYESTER	0.01U K	50V
C1A4	403 070 3801 403 049 9803		20P K 50V .2U M 50V	C827	403 05° 403 069		POLYESTER	0.01U K	50V
C1A5 C1A6	403 049 9803		22U M 16V	C828	403 06		CERAMIC ELECT	0.01U Z 470U M	50V 10V
C1A7	403 041 8804		10U M 16V	C829	403 01		CERAMIC	18P J	507
C1A9	403 067 6204		15U J 50V	C831	403 01		CERAMIC	18P J	507
C1J1	403 067 6204	MT-COMPO 0.	15U J 50V	C832	403 06	7 5603	MT-COMPO	0.1U J	50V
C1J2	403 069 8305	CERAMIC 0.	01U Z 50V	C834	403 06		CERAMIC	0.01U Z	50V
C1 J3	403 042 7707	ELECT 30	22U M 16V	C835	403 06		MT-COMPO	0. 22U J	507
C1J4 C1J5	403 081 2800 403 067 5603		00P J 100V .1U J 50V	C836 C838	403 06 403 06		MT-COMPO MT-COMPO	0.1U J 0.22U J	50V 50V
C1J6	403 042 2405	ELECT 1	00U M 16V	C839	403 06	7 5603	MT-COMPO	0. 1U J	507
C1J7	403 074 2602	CERAMIC 0.0	47U Z 50V	C841	403 04	3701	ELECT	220U M	107
C1J8	403 043 9106		47U M 16V	C851	403 06		CERAMIC	0.01U Z	50V
C1K1	403 056 7106 403 056 7700		00P J 50V 00P J 50V	C852 C853	403 06 403 04		CERAMIC	0.01U Z	50V
C1K2	403 059 2801		00P J 50V	C855	403 04		ELECT CERAMIC	470U M 0.01U Z	16V 50V
OTAL	403 059 3402	POLYESTER 22	00P J 50V	C856	403 06		CERAMIC	0. 01U Z	507
C1K3	403 041 2109	ELECT	47U M 10V	C857	403 04	3 0202	ELECT	220U M	167
C111	403 071 1707	CERAMIC 1	80P K 50V	C858	403 04	4 1703	ELECT	470U M	16V
C112	403 030 5401		68P J 50V	C872	403 07		CERAMIC	330P K	50V
C113 C114	403 014 8008 403 017 7701	CERAMIC 1 CERAMIC	80P J 50V 22P J 50V	C873 C881	403 07 403 04		CERAMIC ELECT	330P K 220U M	50V 16V
C116	403 071 5606	CERAMIC 2	20P K 50V	C882	403 04		ELECT	330U M	100
C117	403 017 7701	CERAMIC	22P J 50V	C883	403 04			220U M	167
C118	403 030 5401		68P J 50V	DECTO	ren.				
C119	403 014 8008	CERAMIC 1	80P J 50V	RESIST		E 7000	E DI DOV		
C120 C121	403 069 8305 403 014 8008		01U Z 50V 80P J 50V	RB801 RB802	610 22 610 22		R BLOCK R BLOCK		
C121	403 069 8305	CERAMIC O.	01U Z 50V	RB803	610 22	5 7366	R BLOCK		
C123	403 067 5603	MT-COMPO 0	.1U J 50V	ROC1	401 02	4 6700	CARBON	100 JA	1/6W
C124	403 072 2604	CERAMIC 0.0	22U Z 50V	ROC2	401 02		CARBON		1/6W
C125 C126	403 042 2405 403 043 6006		00U M 16V	ROC3 ROC4	401 02 401 02		CARBON CARBON	10K JA 9.1K JA	1/6W 1/6W
C126	403 043 000 403 403 069 8305		01U Z 50V	ROC5	401 02		CARBON	9. IK JA 1K JA	
C128	403 067 7300	MT-COMPO 0.	33U J 50V	R0C6	401 02	5 1605	CARBON	1.5K JA	/6W
C129	403 069 8305	CERAMIC 0.	01U Z 50V	R0C7	401 02	6 9600	CARBON	470 JA	1/6W
C131	403 067 7706	MT-COMPO 0.0	47U J 50V	ROC8	401 02	7 8305	CARBON	820 JA	∕6₩
C132 C133	403 067 7300 403 072 2604		33U J 50V 22U Z 50V	ROC9 ROE1	401 02 401 02			27K JA 68K JA	/6₩ /6₩
C134	403 060 8205	POLYESTER 0.0	33U K 50V	ROE2	401 02		CARBON CARBON		1/6W
5.07	403 060 8809	POLYESTER 0.0	33U K 50V	R0E3	401 02	6 1307	CARBON	27K JA	
C135	403 069 8305	CERAMIC 0.	01U Z 50V	ROG1	401 02	7 5205	CARBON	680 JA	/6W
C136	403 069 8305		01U Z 50V	R0G2	401 02		CARBON	2. 2K JA	1/6W
C137 C138	403 014 8008 403 030 5104		80P J 50V 68P J 50V	ROG3 ROG4	401 02- 401 02-		CARBON CARBON	100 JA 100K JA	1/6W
C139	403 069 8305		01U Z 50V	R0G5	401 02		CARBON	2. 2K JA	
C141	403 069 8305	CERAMIC 0.	01U Z 50V	R0G7	401 02	4 7707	CARBON	100K JA	1/6W
C142	403 069 8305	CERAMIC 0.	01U Z 50V	ROG8	401 02	4 6700	CARBON	100 JA	1/6W
C143	403 069 8305		01U Z 50V	ROG9	401 024		CARBON	10K JA	
C144 C145	403 067 6709 403 049 9803		22U J 50V . 2U M 50V	ROH1 ROH2	401 02° 401 02°		CARBON CARBON	820 JA 820 JA	
C146	403 049 9803		. 2U M 50V	ROP1	401 02		CARBON	47K JA	
C147	403 072 2604	CERAMIC 0.0	22U Z 50V	R0P2	401 02	7 0309	CARBON	47K JA	1/6W
C148	403 072 2604		22U Z 50V	R0P3	401 025		CARBON	2. 2K JA	1/6W
C149	403 049 9803 403 069 8305		. 2U M 50V 01U Z 50V	R001 R002	401 027		CARBON		1/6W
C151 C152	403 069 8305		010 Z 50V	R003	401 027 401 024		CARBON CARBON		1/16W 1/16W
C152	403 069 8305		010 Z 50V	R004	401 022		CARBON		/4W
C155	403 071 1707	CERAMIC 18	80P K 50V	R005	401 024	7004	CARBON	1K JA	1/6W
C156	403 049 0008	ELECT	1U M 50V	R006	401 024	7004	CARBON	1K JA	1/6W
C157	403 067 6709		22U J 50V	R007	401 024		CARBON	1K JA	
C158 C159	403 067 6709 403 067 6709	MT-COMPO 0.2	22U J 50V 22U J 50V	R008 R009	401 027 401 027		CARBON CARBON		1/6W 1/6W
C161	403 072 2604		22U Z 50V	R010	401 022		CARBON		IAW
C162	403 072 2604	CERAMIC 0.02	22U Z 50V	R011	401 026	9600	CARBON	470 JA	1/6W
C163	403 072 2604		22U Z 50V	R012	401 026		CARBON	470 JA	1/6W
0100	403 043 6006	ELECT 33	30U M 16V	R014 R015	401 024 401 024		CARBON CARBON		1/6 W 1/6 W
C166 C167	403 069 8305	CERAMIC 0. (01U Z 50V						

Def No.	Dort No.	Description		Ref.No.	Part No.	Description		
Ref. No.	Part No.	Description					11/ 11 1	L /CW
R016	401 022 6801 401 024 7707		75 JA 1/4W DOK JA 1/6W	R1A4 R1A5	401 024 7 401 027 2			1/6W 1/6W
R017 R018	401 024 7707		OOK JA 1/6W	R1A6	401 024 9			1/6W
R021	401 022 6801	CARBON	75 JA 1/4W	R1A7	401 027 5			1/6W
R022	401 022 6801	CARBON	75 JA 1/4W	R1 A8	401 025 7			1/6W
R023	401 024 7004	CARBON	1K JA 1/6W	R1A9	401 027 8			1/6W
R024	401 024 7004	CARBON	1K JA 1/6W	R1F0	401 027 0			1/6W
R025	401 025 1605		.5K JA 1/6W	R1F1 R1F2	401 024 7 401 027 5			1/6W 1/6W
R026	401 025 1605		.5K JA 1/6W 470 JA 1/4W	R1F3	401 027 5			1/6W
R027 R028	401 020 0801 401 026 9303	CARBON CARBON	47 JA 1/6W	R1F4	401 026 9			1/6W
R029	401 024 7400		10K JA 1/6W	R1F5	401 026 7		3.9K JA	1/6W
R031	401 026 4605		33K JA 1/6W	R1F6	401 027 5	502 CARBON		1/6W
R032	401 026 4605		33K JA 1/6W	R1F7	401 024 7			1/6W
R033	401 025 1605		.5K JA 1/6W	R1F8	401 026 7			1/6W
R034	401 025 1605	CARBON 1	.5K JA 1/6W	R1F9	401 027 0 401 009 5	309 CARBON		1/6W 1/2W
R035	401 025 1605		.5K JA 1/6W 100 JA 1/6W	R1J1 R1J4	401 009 3			1/6W
R036 R037	401 024 6700 401 024 6700		100 JA 1/6W	R1 J5	401 026 4			1/6W
R041	401 027 8305		820 JA 1/6W	R1 J6	401 026 4			1/6W
R042	401 027 8305		820 JA 1/6W	R1J7		3003 CARBON	56K JA	1/6W
R043	401 026 9600	CARBON	470 JA 1/6W	R1J8	401 024 6			1/6W
R044	401 024 6700		100 JA 1/6W	R1 J9	401 027 5			1/6W
R045	401 024 7004	CARBON	1K JA 1/6W	R1K1	401 026 1 401 025 8			1/6W 1/6W
R046	401 026 9303 401 024 7004	CARBON CARBON	47 JA 1/6W 1K JA 1/6W	R1K2 R1K4	401 025 0			1/2W
R047 R048	401 024 7004 401 026 9907		. 7K JA 1/6W	R101	401 024			1/6W
R049	401 027 5502		. 8K JA 1/6W	R102	401 024			1/6W
R051	401 024 7400		10K JA 1/6W	R103	401 024		1K JA	1/6W
R052	401 025 1605	CARBON 1	.5K JA 1/6W	R112	401 025			1/6 W
R053	401 025 7805		. 2K JA 1/6W	R113	401 027			1/6W
R054	401 027 5502		6.8K JA 1/6W	R114	401 027 3 401 027 3			1/6 W 1/6 W
R055 R056	401 026 9600 401 026 3905		470 JA 1/6W 330 JA 1/6W	R115 R116	401 027			1/6W
R057	401 025 7805		2. 2K JA 1/6W	R117	401 024			1/6W
R058	401 026 3905		330 JA 1/6W	R118	401 026			1/6W
R059	401 026 4605	CARBON	33K JA 1/6W	R119	401 026	9600 CARBON	470 JA	1/€₩
R060	401 024 7400		10K JA 1/6W	R121	401 024			1/{W
R062	401 025 1605		.5K JA 1/6W	R122	401 027			1/6W
R064	401 025 1605		.5K JA 1/6W	R123	401 027 3 401 027			1/6 W 1/6 W
R065 R066	401 024 7400 401 024 7400		10K JA 1/6W 10K JA 1/6W	R125	401 027			1/6W
R067	401 024 7400		47K JA 1/6W	R131	401 026			1/6W
R068	401 027 0309		47K JA 1/6W	R133		7400 CARBON	10K JA	
R069	401 025 7805	CARBON 2	2.2K JA 1/6W	R134	401 024		10K JA	1/(W
R071	401 071 0607		15 JA 3W	R136	401 026			1/(W
R072	401 070 8000		12 JA 3W	R137	401 025			1/6W
R081	401 024 7707		OOK JA 1/6W 2OK JA 1/6W	R138 R139	401 027 401 025			1/(W 1/(W
R082 R083	401 025 0004 401 024 7707		00K JA 1/6W	R141	401 025			1/6W
R084	401 025 0004		20K JA 1/6W	R1 42	401 024			1/6W
R085	401 027 3003	CARBON	56K JA 1/6W	R143	401 024	6700 CARBON	100 JA	1/6W
R086	401 027 2600	CARBON 5	5. 6K JA 1/6W	R144	401 024	7707 CARBON	100K JA	1/6W
R087	401 027 3003		56K JA 1/6W	R146	401 025			1/W
R088	401 027 2600	CARBON 5	5. 6K JA 1/6W	R147	401 027			1/8W
R089	401 025 1902		15K JA 1/6W 820 JA 1/6W	R1 48 R1 49	401 027 3 401 027 3			1/6W 1/6W
R090 R091	401 027 8305 401 026 7002		3. 9K JA 1/6W	R151	401 027			1/6W
R092	401 024 7400		10K JA 1/6W	R152	401 026			1/8W
R093	401 025 8208	CARBON	22K JA 1/6W	R153	401 025	1605 CARBON	1.5K JA	1/6W
R094	401 027 5205	CARBON	680 JA 1/6W	R154	401 027 !	5205 CARBON	680 JA	1/ (W
R095	401 024 7400		10K JA 1/6W	R156	401 027 !			1/ew
R096	401 019 6302		4.7 JB 1/4W	R157	401 025 1			1/6/ 1/6/
R097	401 027 2600		5.6K JA 1/6W	R158	401 024 1 401 022 6	7004 CARBON		1/ev 1/av
R098 R099	401 024 7400 401 026 6609		10K JA 1/6W 390 JA 1/6W	R161 R162	401 022 6			1/4/
R1 A0	401 027 2600		i. 6K JA 1/6W	R163	401 022 6			1/4/
RI A1	401 027 2000		OOK JA 1/6W	R164	401 022 6	S801 CARBON		1/4/
RI A2	401 024 7400	CARBON	10K JA 1/6W	R165	401 024 6	S700 CARBON	100 JA	1/64
R1 A3	401 027 0507		70K JA 1/6W	R166	401 024 6	6700 CARBON	100 JA	1/6V
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Ref. No.	Part No.	Description		Ref.No.	Part No.	Description
R167	401 024 6700		00 JA 1/6W	R842	401 026 9907	CARBON 4.7K JA 1/6W
R171	401 027 5205	CARBON 6	880 JA 1/6W	R843	401 027 2600	CARBON 5. 6K JA 1/6W
R173	401 027 5205	CARBON 6	880 JA 1/6W	R844	401 026 9907	CARBON 4.7K JA 1/6W
R175	401 027 5205		880 JA 1/6W	R845	401 025 4606	CARBON 18K JA 1/6W
R177	401 026 9907		7K JA 1/6W	R847	401 024 7004	CARBON 1K JA 1/6W
R1 81	401 027 8602		2K JA 1/6W	R848	401 024 7004	CARBON 1K JA 1/6W
R182	401 027 2303		660 JA 1/6W	R851	401 026 4308	CARBON 3. 3K JA 1/6W
R183	401 024 6700		00 JA 1/6W	R852	401 026 4308	CARBON 3. 3K JA 1/6W
R184	401 026 4605		33K JA 1/6W 9K JA 1/6W	R853	401 024 7004 401 016 9702	CARBON 1K JA 1/6W CARBON 27 JA 1/4W
R1 85	401 026 7002			R854 R855	401 016 9702	CARBON 27 JA 1/4W CARBON 3.3K JA 1/6W
R186	401 026 1307 401 026 4605	CARBON 2 CARBON 3	27K JA 1/6W 33K JA 1/6W	R856	401 026 4308	CARBON 3. 3K JA 1/6W
R187 R188	401 027 2600		6K JA 1/6W	R857	401 024 7004	CARBON 1K JA 1/6W
R192	401 024 7400		OK JA 1/6W	R858	401 016 9702	CARBON 27 JA 1/4W
R8F2	401 027 8602		2K JA 1/6W	R861	401 025 8703	CARBON 220K JA 1/6W
R8F6	401 027 8602		2K JA 1/6W	R871	401 027 2600	CARBON 5. 6K JA 1/6W
R8H1	401 026 1000		7K JA 1/6W	R872	401 025 4200	CARBON 1.8K JA 1/6W
R8H2	401 026 9907		7K JA 1/6W	R873	401 025 7805	CARBON 2.2K JA 1/6W
R8H3	401 025 1605		5K JA 1/6W	R875	401 024 7400	CARBON 10K JA 1/6W
R8H4	401 024 7400	CARBON	IOK JA 1/6W	R876	401 024 7400	CARBON 10K JA 1/6W
R8H5	401 026 7002	CARBON 3.	9K JA 1/6W	R881	401 016 9801	CARBON 27 JB 1/4W
R8H6	401 027 5502	CARBON 6.	8K JA 1/6W	R882	401 027 5205	CARBON 680 JA 1/6W
R8K2	401 026 4605		33K JA 1/6W	R891	401 024 6700	CARBON 100 JA 1/6W
R8K4	401 024 7400		10K JA 1/6W	R892	401 024 6700	CARBON 100 JA 1/6W
R8K5	401 024 7400	CARBON	IOK JA 1/6W	R893	401 024 9305	CARBON 1. 2K JA 1/6W
R8K6	401 025 8208		22K JA 1/6W	R894	401 024 9305	CARBON 1.2K JA 1/6W
R8L1	401 027 2600		6K JA 1/6W	VARIAE	BLE RESISTER/	CONDENSER
R8L2	401 027 2600		6K JA 1/6W			
R8L3	401 024 7400		10K JA 1/6W .6K JA 1/6W	VC131 VC132	610 003 0329	TRIMMER CONDENSER TRIMMER CONDENSER
R8L4	401 027 2600 401 026 4605	CARBON 5.	.6K JA 1/6W 33K JA 1/6W	VR1J1	610 003 0329	VR B-10K
R8L5 R8L6	401 026 4605		.6K JA 1/6W	VR121	610 019 3994	VR B-200
R8M4	401 027 2000	CARBON 5.	1K JA 1/6W	VR151	610 019 4069	VR B-10K
R801	401 024 7004		1K JA 1/6W	VR803	610 019 4045	VR B-3K
R802	401 024 7400	CARBON	10K JA 1/6W			
R803	401 024 7400		10K JA 1/6W	TRANSF	FORMER	
R804	401 024 7400		10K JA 1/6W	T041	610 037 5536	S COIL
R805	401 024 7004	CARBON	1K JA 1/6W	T111	610 037 5314	S COIL
R806	401 024 7400	CARBON	10K JA 1/6W	T112	610 037 5314	S COIL
R807	401 024 7400	CARBON	10K JA 1/6W	T121	610 037 5536	S COIL
R808	401 024 7400		10K JA 1/6W	T131	610 037 5314	S COIL
R810	401 024 6700		100 JA 1/6W	0011		
R811	401 024 6700		100 JA 1/6W	COIL	010 000 0400	DENVINC COLL C CHE Y
R812	401 024 6700	CARBON	100 JA 1/6W	L031	610 029 6466	
R813	401 024 6700		100 JA 1/6W	L041	610 029 5728	PEAKING COLL TOUR !
R814	401 024 6700		100 JA 1/6W 100 JA 1/6W	L042 L052	610 029 5582 610 029 5889	
R815	401 024 6700 401 024 6700		100 JA 1/6W	L052	610 029 5803	PEAKING COIL 8.2UH J PEAKING COIL 5.6UH J
R816 R817	401 024 6700		100 JA 1/6W	L062	610 030 0767	
R820	401 025 7409		220 JA 1/6W	L063	610 029 6466	PEAKING COIL 8. 2UH K
R821	401 025 1605		.5K JA 1/6W	L065	610 224 3864	DELAY LINE
R822	401 025 1605		5K JA 1/6W	L081	610 029 5926	PEAKING COIL 10UH K
R823	401 025 1605		5K JA 1/6W	L121	610 029 6466	PEAKING COIL 8. 2UH K
R824	401 025 1605		5K JA 1/6W -	L122	610 220 7613	
R825	401 027 2600		6K JA 1/6W	L123		PEAKING COIL 33UH K
R826	401 024 9701	CARBON	12K JA 1/6W			
R827	401 025 4606		18K JA 1/6W	DIODE		
R828	401 024 6700	CARBON	100 JA 1/6W	DB801	407 137 8402	
R829	401 024 6700	CARBON	100 JA 1/6W	D0G1	407 007 9904	DIODE GMAO1
R830	401 024 7400	CARBON	10K JA 1/6W		407 012 4406	DIODE 1SS133
R831	401 024 7004		1K JA 1/6W		407 012 5809	DIODE 1SS176
R832	401 024 6700		100 JA 1/6W	DOG2	407 007 9904	DIODE GMAO1
R833	401 025 1902		15K JA 1/6W		407 012 4406	DIODE 188133
R834	401 024 7400	CARBON	10K JA 1/6W	8000	407 012 5809	DIODE 188176
R835	401 027 2600		.6K JA 1/6W	D002	407 075 9905	ZENER DIODE EQAO3-11A
R836	401 027 5908		68K JA 1/6W	D003	407 075 9905	ZENER DIODE EQAO3-11A
R837	401 024 7400		10K JA 1/6W	D004 D031		ZENER DIODE EQAO3-11A
R838 R839	401 026 9907 401 024 7400		.7K JA 1/6W 10K JA 1/6W	וכטעו	407 007 9904	DIODE GMA01 DIODE 1SS133
R841	401 024 7400		.6K JA 1/6W			DIODE 155176
11041	-01 UZ7 2000	VILLOUIT J.	- Un Vi 1/ Ull		-01 VIL 0003	2.00E 100110

Ref. No.	Part No.	Description	Ref.No.	Part No.	Description
D091	407 048 4906	ZENER DIODE EQAO2-09A		407 012 5	809 DIODE 1SS176
D1A1	407 007 9904	DIODE GMA01	D812	407 007 9	
	407 012 4406	DIODE 1SS133		407 012 4 407 012 5	
חואו	407 012 5809 407 048 0908	DIODE 1SS176 ZENER DIODE EQAO2-05C	D817	407 005 4	
D1K1 D133	407 007 9904	DIODE GMAO1		407 012 4	406 DIODE 1SS133
0100	407 012 4406	DIODE 1SS133		407 012 5	
	407 012 5809	DIODE 1SS176		407 013 1	
D134	407 007 9904	DIODE GMA01		407 013 4 407 013 7	
	407 012 4406 407 012 5809	DIODE 1SS133 DIODE 1SS176	D821	407 005 4	
D135	407 007 9904	DIODE GMA01		408 008 2	406 DIODE 1N4148
	407 012 4406	DIODE 1SS133		407 013 1	
2100	407 012 5809	DIODE 1SS176		407 013 4 407 013 7	
D136	407 007 9904 407 012 4406	DIODE GMA01 DIODE 1SS133	D822	407 005 4	
	407 012 5809	DIODE 1SS176		408 008 2	406 DIODE 1N4148
D151	407 005 4505	DIODE DS442X		407 013 1	
	407 012 4406	DIODE 188133	1	407 013 4	
1	407 012 5809	DIODE 1SS176	D823	407 013 7 407 005 4	7109 D10DE 1S2473 ISOS D10DE DS442X
	407 013 1206 407 013 4207	DIODE 1\$1555 DIODE 1\$2076	0023	408 008 2	2406 DIODE 1N4148
	407 013 7109	DIODE 1S2473		407 013 1	206 DIODE 1S1555
D152	407 005 4505	DIODE DS442X		407 013 4	
	407 012 4406	DIODE 1SS133	D004	407 013 7	
	407 012 5809	DIODE 1SS176 DIODE 1S1555	D824	407 005 4 408 008 2	
	407 013 1206 407 013 4207	D10DE 151999 D10DE 152076		407 013 1	
	407 013 7109	DIODE 1S2473		407 013 4	1207 DIODE 1S2076
D153	407 005 4505	DIODE DS442X		407 013 7	
	407 012 4406	DIODE 188133	D825 D831	407 048 0 407 048 2	D809 ZENER DIODE EQAO2-05AB 2001 ZENER DIODE EQAO2-06B
	407 012 5809 407 013 1206	DIODE 1SS176 DIODE 1S1555	D833	408 008 2	
	407 013 1200		5000	407 013 1	1008 DIODE 1S1553
	407 013 7109	DIODE 1S2473		407 013 4	
D154	407 007 9904		0004	407 013 6	
	407 012 4406 407 012 5809		D834	407 007 9 407 012 4	
D156	407 012 5009			407 012 5	
0130	407 012 4406		D835	407 007 9	9904 DIODE GMA01
	407 012 5809	DIODE 1SS176		407 012 4	4406 DIODE 1SS133
D158	407 007 9904	DIODE GMA01	0007	407 012 5	5809 DIODE 1SS176
	407 012 4406		D837	407 007 9 407 012 4	9904 DIODE GMA01 4406 DIODE 1SS133
D181	407 012 5809 407 005 4505	DIODE 1SS176 DIODE DS442X			5809 DIODE 1SS176
D.01	407 012 4406		D851	407 048 1	1202 ZENER DIODE EQA02-05E
	407 012 5809	DIODE 188176	D852	407 048 1	1202 ZENER DIODE EQAO2-05E
	407 013 1206		MISCEL	LANEUS	
	407 013 4207		TH801		0207 THERMISTOR SDT-250S-CTV
D800	407 013 7109 407 007 9904		10803/	A 610 226 7	7099 IC SOCKET
0000	407 012 4406	DIODE 1SS133	X052	610 226 6	6894 CERAMIC TRAP
	407 012 5809	DIODE 1SS176	X131	610 012 1	1850 CRYSTAL OSCILLATOR
D801	407 007 9904	DIODE GMA01	X132		2734 CRYSTAL OSCILLATOR 2758 CRYSTAL OSCILLATOR
	407 012 4406 407 012 5809	DIODE 188133 DIODE 188176	X801		2857 CERAMIC OSCILLATOR
D802	407 075 9905	ZENER DIODE EQAO3-11A			
D803	407 075 9905	ZENER DIODE EQAO3-11A	610 2		M & LC DRIVE PCB ASSY E4ZA
D804	407 075 9905	ZENER DIODE EQAO3-11A	UE241	1	
D805	407 075 9905	ZENER DIODE EQAO3-11A ZENER DIODE EQAO3-11A	TRANS	ISTER	
D806 D807	407 075 9905 407 007 9904		0221		7305 TR 2SC1740-Q
0007	407 012 4406	DIODE 1SS133		405 011	7404 TR 2SC1740-R
	407 012 5809	DIODE 188176		405 011 7	7503 TR 2SC1740-S
D808	407 007 9904	DIODE GMA01		405 012 2	2002 TR 2SC1815-GR
	407 012 4406			405 012 2 405 012 2	2101 TR 2SC1815-0 2309 TR 2SC1815-Y
0809	407 012 5809 407 075 9905				1909 TR 2SC536-E-NP
D811	407 073 9904	DIODE GMAO1		405 019 2	2708 TR 2SC536-F-NP
	407 012 4406			405 019 3	3804 TR 2SC536-G-NP

Ref. No.	Part No.	Description	Ref.No.	Part No.	Description
	405 020 7501	TR 2SC945A-PA		405 019 38	
	405 020 7709	TR 2SC945A-QA		405 020 75	
02303	405 020 7907 405 011 7305			405 020 77 405 020 79	
Q2303	405 011 7404		02314	405 011 73	
	405 011 7503	TR 2SC1740-S		405 011 74	404 TR 2SC1740-R
	405 012 2002			405 011 75	503 TR 2SC1740-S
	405 012 2101	TR 2SC1815-0		405 012 20	
	405 012 2309			405 012 21 405 012 23	
	405 019 1909 405 019 2708			405 012 23	
	405 019 3804	TR 2SC536-G-NP	ł	405 019 27	
	405 020 7501	TR 2SC945A-PA	1	405 019 38	
	405 020 7709		1	405 020 75	
00004	405 020 7907			405 020 7	
Q2304	405 011 7305 405 011 7404		Q2315	405 020 79 405 011 73	
	405 011 7503		42515	405 011 74	
	405 012 2002			405 011 7	503 TR 2SC1740-S
	405 012 2101	TR 2SC1815-0		405 012 20	
	405 012 2309			405 012 2	
	405 019 1909 405 019 2708	TR 2SC536-E-NP TR 2SC536-F-NP		405 012 23 405 019 19	
	405 019 3804	TR 250536-G-NP	1	405 019 2	708 TR 2SC536-F-NP
	405 020 7501			405 019 38	
	405 020 7709	TR 2SC945A-QA		405 020 7	501 TR 2SC945A-PA
	405 020 7907			405 020 7	
Q2305	405 011 7305		02216	405 020 79	
	405 011 7404 405 011 7503		Q2316	405 011 73 405 011 74	
	405 012 2002	TR 25C1815-GR		405 011 7	503 TR 2SC1740-S
	405 012 2101	TR 2SC1815-0		405 012 20	
	405 012 2309	TR 2SC1815-Y		405 012 2	
	405 019 1909			405 012 23	
	405 019 2708 405 019 3804			405 019 19 405 019 21	
	405 020 7501			405 019 38	
	405 020 7709	TR 2SC945A-QA		405 020 75	501 TR 2SC945A-PA
	405 020 7907			405 020 7	709 TR 2SC945A-QA
Q 2306	405 011 7305		00017	405 020 79	
	405 011 7404 405 011 7503	TR 2SC1740-R TR 2SC1740-S	02317	405 011 73 405 011 74	305 TR 2SC1740-Q 404 TR 2SC1740-R
	405 012 2002			405 011 75	
	405 012 2101	TR 2SC1815-0			002 TR 2SC1815-GR
	405 012 2309	TR 2SC1815-Y	ĺ	405 012 21	101 TR 2SC1815-0
	405 019 1909			405 012 23	
	405 019 2708 405 019 3804			405 019 19 405 019 27	909 TR 2SC536-E-NP
	405 019 3604			405 019 38	
	405 020 7709			405 020 75	
	405 020 7907	TR 2SC945A-RA		405 020 77	709 TR 2SC945A-QA
Q 2307	405 011 7305			405 020 79	
	405 011 7404		02323	405 011 73	
	405 011 7503 405 012 2002	TR 2SC1740-S TR 2SC1815-GR		405 011 74 405 011 75	
	405 012 2101			405 012 20	
	405 012 2309			405 012 21	
	405 019 1909	TR 2SC536-E-NP		405 012 23	309 TR 2SC1815-Y
	405 019 2708				909 TR 2SC536-E-NP
	405 019 3804			405 019 27	
	405 020 7501 405 020 7709		Ī	405 019 36	304 TR 2SC536-G-NP 501 TR 2SC945A-PA
	405 020 7907				709 TR 2SC945A-QA
Q2313	405 011 7305	TR 2SC1740-Q			007 TR 2SC945A-RA
	405 011 7404	TR 2SC1740-R	02324	405 011 73	305 TR 2SC1740-Q
	405 011 7503		1		104 TR 2SC1740-R
	405 012 2101 405 012 2309			405 011 75	503 TR 2SC1740-S 102 TR 2SC1815-GR
	405 012 2309			405 012 20	
		TR 2SC536-F-NP			09 TR 2SC1815-Y
			L		

Ref. No.	Part No.	Description	Ref.No.	Part No.	Description
Q232 5	405 019 2708 405 019 3804 405 020 7501 405 020 7709 405 020 7907 405 011 7305 405 011 7404 405 011 7503 405 012 2002 405 012 2101 405 012 2309	TR 2SC536-E-NP TR 2SC536-F-NP TR 2SC536-G-NP TR 2SC945A-PA TR 2SC945A-QA TR 2SC945A-RA TR 2SC1740-Q TR 2SC1740-R TR 2SC1740-S TR 2SC1815-GR TR 2SC1815-U TR 2SC1815-Y TR 2SC536-E-NP	0262	405 004 41 405 006 1 405 006 1 405 011 7	208 TR 2SA564A-R(CU) 205 TR 2SA608-E-CTV-NP 809 TR 2SA608-F-CTV-NP 103 TR 2SA933-0 202 TR 2SA933-R 305 TR 2SC1740-Q 404 TR 2SC1740-R 503 TR 2SC1740-S 002 TR 2SC1815-GR 101 TR 2SC1815-0 309 TR 2SC1815-Y
Q23 26	405 019 2708 405 019 3804 405 020 7501 405 020 7709 405 020 7907 405 011 7305 405 011 7404 405 011 7503 405 012 2002	TR 2SC536-F-NP TR 2SC536-G-NP TR 2SC945A-PA TR 2SC945A-QA TR 2SC945A-RA TR 2SC1740-Q TR 2SC1740-R TR 2SC1740-S TR 2SC1815-GR	0263 0264 0271	405 019 2 405 019 3 405 020 7 405 020 7 405 020 7 405 018 0 405 018 0 405 003 5 405 003 5 406 000 6	804 TR 2SC536-G-NP 501 TR 2SC945A-PA 709 TR 2SC945A-QA 907 TR 2SC945A-RA 1002 TR 2SC3331-S 1101 TR 2SC3331-T 1609 TR 2SA1318-S 1708 TR 2SA1318-T
Q2327	405 019 2708 405 019 3804 405 020 7501 405 020 7709 405 020 7907 405 011 7305 405 011 7503 405 012 2002 405 012 2101 405 012 2309 405 019 1909	TR 2SC1815-0 TR 2SC1815-Y TR 2SC536-E-NP TR 2SC536-F-NP TR 2SC536-G-NP TR 2SC945A-PA TR 2SC945A-QA TR 2SC945A-RA TR 2SC1740-Q TR 2SC1740-R TR 2SC1740-S TR 2SC1815-GR TR 2SC1815-O TR 2SC1815-O TR 2SC536-E-NP TR 2SC536-F-NP	Q272	405 000 6 405 001 7 405 004 3 405 004 4 405 006 1 405 006 1 405 011 7 405 011 7 405 012 2 405 012 2 405 012 2 405 019 1	TR 2SA1015-0 (SAN) TR 2SA1015-Y (SAN) TR 2SA564A-Q (CU) TR 2SA564A-R (CU) TR 2SA564A-R (CU) TR 2SA608-E-CTV-NP TR 2SA608-F-CTV-NP TR 2SA933-Q TR 2SA933-R TR 2SC1740-Q TR 2SC1740-R TR 2SC1740-R TR 2SC1740-S TR 2SC1815-GR TR 2SC1815-O TR 2SC1815-Y
0251	405 020 7501 405 020 7709 405 020 7907 406 000 6804 405 001 7407	TR 2SC536-G-NP TR 2SC945A-PA TR 2SC945A-QA TR 2SC945A-RA TR 2SA1015-GR(SAN) TR 2SA1015-O(SAN) TR 2SA1015-Y(SAN) TR 2SA564A-Q(CU)	0273 0274	405 019 2 405 019 3 405 020 7 405 020 7 405 018 0 405 018 0 405 003 5 405 003 5	2708 TR 2SC536-F-NP 2804 TR 2SC536-G-NP 27501 TR 2SC945A-PA 27709 TR 2SC945A-QA 27907 TR 2SC945A-RA 2002 TR 2SC3331-S 20101 TR 2SC3331-T 25609 TR 2SA1318-S 25708 TR 2SA1318-T
Q2 52	405 004 4809 405 006 1103 405 006 1202 405 011 7305 405 011 7404 405 011 7503 405 012 2002 405 012 2101	TR 2SA608-E-CTV-NP TR 2SA608-F-CTV-NP TR 2SA933-Q TR 2SA933-R TR 2SC1740-Q TR 2SC1740-R TR 2SC1740-S TR 2SC1815-GR TR 2SC1815-O	Q281 Q282 Q283 Q284 Q285	405 018 0 405 018 0 405 003 5 405 018 0 405 018 0 405 003 5 405 003 5 405 018 0	D101 TR 2SC3331-T 5609 TR 2SA1318-S 5708 TR 2SA1318-T D002 TR 2SC3331-S D101 TR 2SC3331-T 5609 TR 2SA1318-S 5708 TR 2SA1318-T D002 TR 2SC3331-S
0253	405 012 2309 405 019 1909 405 019 2708 405 019 3804 405 020 7501 405 020 7709 405 020 7907	TR 2SC1815-Y TR 2SC536-E-NP TR 2SC536-F-NP TR 2SC536-G-NP TR 2SC945A-PA TR 2SC945A-QA TR 2SC945A-RA TR 2SC3331-S TR 2SC3331-T	Q286 Q301	405 018 0 405 003 5 405 003 5 405 011 7 405 011 7 405 012 2 405 012 2 405 012 2	7609 TR 2SA1318-S 7708 TR 2SA1318-T 7305 TR 2SC1740-Q 7404 TR 2SC1740-R 7503 TR 2SC1740-S 2002 TR 2SC1815-GR 2101 TR 2SC1815-O 2309 TR 2SC1815-Y
0254 0261	405 003 5609 405 003 5708 406 000 6804 405 001 7407	TR 2SA1318-S TR 2SA1318-T TR 2SA1015-GR(SAN) TR 2SA1015-O(SAN) TR 2SA1015-Y(SAN)		405 019 1 405 019 2 405 019 3 405 020 7 405 020 7	909 TR 2SC536-E-NP 2708 TR 2SC536-F-NP 8804 TR 2SC536-G-NP 7501 TR 2SC945A-PA

Ref. No.	Part No.	Description	Ref.No.	Part No.	Description
	405 020 7907	TR 2SC945A-RA		405 011 7	
Q 302	405 011 7305	TR 2SC1740-0	ì	405 011 7 405 012 2	
	405 011 7404 405 011 7503	TR 2SC1740-R TR 2SC1740-S		405 012 2	
	405 012 2002	TR 2SC1740 3		405 012 2	
	405 012 2101	TR 2SC1815-0	İ	405 019 1	909 TR 2SC536-E-NP
	405 012 2309	TR 2SC1815-Y	1	405 019 2	
	405 019 1909	TR 2SC536-E-NP		405 019 3 405 020 7	
	405 019 2708 405 019 3804	TR 2SC536-F-NP TR 2SC536-G-NP	ļ	405 020 7	
	405 020 7501	TR 2SC945A-PA		405 020 7	
	405 020 7709	TR 2SC945A-QA	0309	405 011 7	
	405 020 7907	TR 2SC945A-RA		405 011 7	7404 TR 2SC1740-R
Q 303	405 011 7305	TR 2SC1740-Q		405 011 7 405 012 2	
	405 011 7404 405 011 7503	TR 2SC1740-R TR 2SC1740-S		405 012 2	2101 TR 2SC1815-0
	405 012 2002	TR 2SC1815-GR		405 012 2	
	405 012 2101	TR 2SC1815-0		405 019 1	909 TR 2SC536-E-NP
	405 012 2309	TR 2SC1815-Y		405 019 2	
	405 019 1909	TR 2SC536-E-NP		405 019 3 405 020 7	
	405 019 2708 405 019 3804	TR 2SC536-F-NP TR 2SC536-G-NP		405 020 7	
	405 020 7501	TR 2SC945A-PA		405 020 7	
	405 020 7709	TR 2SC945A-QA	0310	406 000 6	
	405 020 7907	TR 2SC945A-RA	[405 001 7	
Q304	405 011 7305	TR 2SC1740-Q	1	405 001 7	
	405 011 7404	TR 2SC1740-R	İ	405 004 3 405 004 3	
	405 011 7503 405 012 2002	TR 2SC1740-S TR 2SC1815-GR		405 004 3	
	405 012 2101	TR 2SC1815-0		405 004 4	
	405 012 2309	TR 2SC1815-Y	İ	405 006 1	1103 TR 2SA933-Q
	405 019 1909	TR 2SC536-E-NP		405 006 1	
	405 019 2708	TR 2SC536-F-NP	0311	405 011 7 405 011 7	
•	405 019 3804 405 020 7501	TR 2SC536-G-NP TR 2SC945A-PA		405 011 7	
	405 020 7709	TR 2SC945A-QA		405 012 2	
Q305	405 011 7305	TR 2SC1740-Q		405 012 2	2101 TR 2SC1815-0
	405 011 7404	TR 2SC1740-R		405 012 2	2309 TR 2SC1815-Y
	405 011 7503			405 019 1	1909 TR 2SC536-E-NP
	405 012 2002 405 012 2101	TR 2SC1815-GR TR 2SC1815-0		405 019 2 405 019 3	2708 TR 2SC536-F-NP 3804 TR 2SC536-G-NP
	405 012 2309	TR 2SC1815-Y		405 020 7	
	405 019 1909	TR 2SC536-E-NP		405 020 7	
		TR 2SC536-F-NP			7907 TR 2SC945A-RA
	405 019 3804	TR 2SC536-G-NP	0312		5804 TR 2SA1015-GR(SAN)
		TR 2SC945A-PA TR 2SC945A-QA		405 001 7 405 001 7	
	405 020 7709 405 020 7907	TR 2SC945A-RA	1		3109 TR 2SA564A-Q(CU)
Q306	406 000 6804	TR 2SA1015-GR(SAN)		405 004 3	
	405 001 7407	TR 2SA1015-0(SAN)		405 004 4	4205 TR 2SA608-E-CTV-NP
		TR 2SA1015-Y(SAN)		405 004 4	
	405 004 3109	TR 2SA564A-Q(CU) TR 2SA564A-R(CU)		405 006 1 405 006 1	
		TR 2SA608-E-CTV-NP	0401	405 000 1	
		TR 2SA608-F-CTV-NP	4401		7404 TR 2SC1740-R
	405 006 1103	TR 2SA933-Q		405 011 7	7503 TR 2SC1740-S
		TR 2SA933-R			2002 TR 2SC1815-GR
Q307		TR 2SC1740-Q		405 012 2	
	405 UII /404	TR 2SC1740-R TR 2SC1740-S		405 012 2 405 019 1	
		TR 2SC1740-5 TR 2SC1815-GR		405 019 2	
	405 012 2101			405 019 3	
	405 012 2309	TR 2SC1815-Y		405 020 7	7501 TR 2SC945A-PA
	405 019 1909		,	405 020 7	
		TR 2SC536-F-NP	0.421	405 020 7	7907 TR 2SC945A-RA
	405 UIS 3804	TR 2SC536-G-NP TR 2SC945A-PA	Q421	406 000 6 405 001 7	5804 TR 2SA1015-GR(SAN) 7407 TR 2SA1015-O(SAN)
	405 020 7709			405 001 7	
	405 020 7907	TR 2SC945A-RA	1	405 004 3	
		TR 2SC1740-Q	1		3208 TR 2SA564A-R(CU)

Ref. No.	Part No.	Description	Ref.No.	Part No.	Description
	405 004 4205	TR 2SA608-E-CTV-NP		405 020 75	
	405 004 4809	TR 2SA608-F-CTV-NP	1	405 020 7 405 020 7	
	405 006 1103	TR 2SA933-Q TR 2SA933-R	Q501	405 020 73	
Q422	405 006 1202 406 000 6804	TR 2SA1015-GR(SAN)	4301	405 011 7	
Q4ZZ	405 000 0004	TR 2SA1015-0 (SAN)		405 011 7	
	405 001 7605	TR 2SA1015-Y (SAN)	1	405 012 2	
	405 004 3109	TR 2SA564A-Q(CU)		405 012 2	101 TR 2SC1815-0
	405 004 3208	TR 2SA564A-R(CU)		405 012 2 405 019 1	309 TR 2SC1815-Y 909 TR 2SC536-E-NP
	405 004 4205 405 004 4809	TR 2SA608-E-CTV-NP TR 2SA608-F-CTV-NP		405 019 1	
	405 006 1103	TR 2SA933-Q		405 019 3	
	405 006 1202	TR 2SA933-R		405 020 7	
0470	405 011 7305	TR 2SC1740-Q		405 020 7	
	405 011 7404	TR 2SC1740-R	0500	405 020 7	
	405 011 7503	TR 2SC1740-S	Q502	405 011 7 405 011 7	
	405 012 2002 405 012 2101	TR 2SC1815-GR TR 2SC1815-0		405 011 7	
	405 012 2309	TR 2SC1815-Y		405 012 2	
	405 019 1909	TR 2SC536-E-NP		405 012 2	
	405 019 2708			405 012 2	309 TR 2SC1815-Y
	405 019 3804		1	405 019 1	909 TR 2SC536-E-NP 2708 TR 2SC536-F-NP
	405 020 7501	TR 2SC945A-PA TR 2SC945A-QA	1	405 019 2 405 019 3	1706 TR 25C536-F-NF 1804 TR 2SC536-G-NP
	405 020 7709 405 020 7907	TR 2SC945A-RA		405 020 7	
0481	405 011 7305			405 020 7	
4401	405 011 7404	TR 2SC1740-R		405 020 7	
	405 011 7503	TR 2SC1740-S	Q 503	406 000 6	
	405 012 2002	TR 2SC1815-GR		405 001 7 405 001 7	
	405 012 2101 405 012 2309	TR 2SC1815-0 TR 2SC1815-Y		405 001 7	
	405 012 2309	TR 2SC536-E-NP	1	405 004 3	
	405 019 2708	TR 2SC536-F-NP		405 004 4	
	405 019 3804	TR 2SC536-G-NP		405 004 4	
	405 020 7501			405 006 1	
	405 020 7709 405 020 7907		Q504	405 006 1 406 000 6	
Q482	405 020 7307		4504	405 001 7	
4702	405 011 7404			405 001 7	'605 TR 2SA1015-Y(SAN)
	405 011 7503	TR 2SC1740-S		405 004 3	
	405 012 2002			405 004 3 405 004 4	
	405 012 2101 405 012 2309			405 004 4	
	405 019 1909			405 006 1	
	405 019 2708			405 006 1	
	405 019 3804	TR 2SC536-G-NP	0505	405 011 7	
	405 020 7501			405 011 7 405 011 7	
	405 020 7709 405 020 7907			405 011 7	
0483	405 020 7307			405 012 2	
2400	405 011 7404	TR 2SC1740-R		405 012 2	2309 TR 2SC1815-Y
	405 011 7503	TR 2SC1740-S		405 019 1	
	405 012 2002	TR 2SC1815-GR		405 019 2	
	405 012 2101	TR 2SC1815-0		405 019 3 405 020 7	8804 TR 2SC536-G-NP 7501 TR 2SC945A-PA
	405 012 2309 405 019 1909			405 020 7	7709 TR 2SC945A-CA
	405 019 1708			405 020 7	
	405 019 3804	TR 2SC536-G-NP	0551	405 011 7	7305 TR 2SC1740-Q
	405 020 7501	TR 2SC945A-PA		405 011 7	7404 TR 2SC1740-R
	405 020 7709	TR 2SC945A-QA	1	405 011 7 405 012 2	
Q48 4	405 020 7907 405 011 7305	TR 2SC945A-RA TR 2SC1740-Q		405 012 2	
U404	405 011 7404			405 012 2	
	405 011 7503	TR 2SC1740-S	1	405 019 1	909 TR 2SC536-E-NP
	405 012 2002	TR 2SC1815-GR	1	405 019 2	708 TR 2SC536-F-NP
	405 012 2101	TR 2SC1815-0	1 .	405 019 3	3804 TR 2SC536-G-NP
	405 012 2309	TR 2SC1815-Y TR 2SC536-E-NP	1	405 020 7 405 020 7	
	405 019 1909 405 019 2708			405 020 7	
	400 013 2100	TD 00000 1 III	0001		
4	405 019 3804	TR 2SC536-G-NP	Q561	405 011 7	'305 TR 2SC1740-Q

Ref. No.	Part No.	Description	Ref.No.	Part No.	Description			
	405 011 7404	TR 2SC1740-R TR 2SC1740-S TR 2SC1815-GR TR 2SC1815-O TR 2SC1815-Y TR 2SC536-E-NP TR 2SC945A-PA TR 2SC945A-PA TR 2SC945A-PA TR 2SC1740-Q TR 2SC1740-R TR 2SC1740-R TR 2SC1815-GR TR 2SC1815-O TR 2SC1815-Y TR 2SC536-E-NP TR 2SC536-F-NP TR 2SC536-G-NP TR 2SC945A-PA TR 2SC945A-PA TR 2SC945A-PA TR 2SC945A-PA TR 2SC945A-RA	C210	403 086 2300	NP-ELECT	1U M	50V	
	405 011 7503	TR 2SC1740-S	C211	403 049 9803	ELECT	2.2U M	50V	
		TR 2SC1815-GR	C212	403 057 0403	POLYESTER	0.01U K	50V	
	405 012 2101	TR 2SC1815-0 TR 2SC1815-Y	0010	403 057 1004		0.01U K	50V	
	405 012 2309	TR 2SC536-E-NP	C213 C214	403 049 9803 403 057 0403		2. 2U M	50V	
	405 019 3804	TR 2SC536-G-NP	6214	403 057 1004	POLYESTER POLYESTER	0. 01U K 0. 01U K	50V 50V	
		TR 2SC945A-PA	C215	403 049 9803	ELECT	2. 2U M	50V	
	405 020 7709	TR 2SC945A-QA	C216	403 057 0403	POLYESTER	0. 01U K	50V	
	405 020 7907	TR 2SC945A-RA		403 057 1004	POLYESTER	0.01U K	50V	
Q 571	405 011 7305	TR 2SC1740-Q	C219	403 071 1707	CERAMIC	180P K	50V	
	405 011 7404	TR 2SC1740-R TR 2SC1740-S	C220	403 049 0008	ELECT	1U M	50V	
	405 011 7503	TR 2SC1740-5	C221 C222	403 049 0008 403 049 0008	ELECT	1U M 1U M	50V 50V	
	405 012 2101	TR 2SC1815-0	C223	403 049 0008	ELECT	1U M	50V	
	405 012 2309	TR 2SC1815-Y	C224	403 057 0403		0. 01 U K	50V	
	405 019 1909	TR 2SC536-E-NP		403 057 1004	POLYESTER	0.01U K	50V	
	405 019 2708	TR 2SC536-F-NP	C225	403 057 0403	POLYESTER	0. 01U K	50V	
	405 019 3804	TR 2SC536-G-NP		403 057 1004	POLYESTER	0.01U K	50V	
	405 020 7501 405 020 7709	TR 2SC945A-PA	C226	403 057 0403	POLYESTER	0. 01 U K	50V	
	405 020 7709	TR 2SC945A-QA TR 2SC945A-RA	C227	403 057 1004 403 057 0403	POLYESTER	0. 01U K	50V	
		III 2000 TUR	0221	403 057 1004		0. 01U K 0. 01U K	50V 50V	
NTEGRAT	ED CIRCUIT		C228	403 166 6808	MT-POLYEST	0. 1U J	63V	
I C201	409 247 5302	IC M51406FP IC LA6082D IC LA6082D IC M840568 IC M840568 IC M940568 IC UPD42102G-3 IC UPD42102G-3 IC UPD42102G-3 IC LC9123A-511 IC LC9123A-511 IC LC9123A-511 IC UPD42102G-3 IC UPD42102G-3 IC UPD42102G-3 IC UPD42102G-3 IC UPD42102G-3 IC UPD42102G-3 IC UPD42102G-3 IC M840978 IC LC74HC244 IC MC74HC244P IC CXA1216P		403 067 5603	MT-COMPO	0.1U J	50V	
IC202	409 018 3209	1C LA6082D	C230	403 008 5501	CERAMIC	10P D	50V	
10203	409 018 3209	IC LA6082D	C2304	403 043 9106	ELECT	47U M	16V	
102301 102302	409 204 6700 409 204 6700	IC MB40568 IC MB40568	C2305	403 166 6808		0.1U J	63V	
102302	409 204 6700	IC MB40568	C2306	403 067 5603 403 041 8804		0.1U J 10U M	50V 16V	
102304	409 251 1406	IC UPD42102G-3	C2307	403 049 0008	ELECT	100 M	50V	
IC2305	409 251 1406	IC UPD42102G-3	C2308	403 043 9106		47U M	167	
102306	409 251 1406	IC UPD42102G-3	C2309	403 166 6808	MT-POLYEST	0.1U J	6 3V	
1C2307	409 247 5203	IC LC9123A-511		403 067 5603		0.1U J	50V	
102308	409 247 5203	IC LC9123A-511	C231	403 043 9106		47U M	16V	
102309 102310	409 247 5203 409 251 1406	IC LC9123A-511 IC UPD42102G-3	C2310	403 043 9106	ELECT	47U M	167	
IC2310	409 251 1406	1C UPD421026-3	C2312	403 166 6808 403 067 5603	MT-POLYEST MT-COMPO	0.1U J 0.1U J	63V 50V	
102312	409 251 1406	IC UPD42102G-3	C2313	403 043 9106	ELECT	47U M	16V	
102313	409 215 9707	IC MB40978	C2314	403 166 6808	MT-POLYEST	0.1U J	6 3V	
IC2314	409 087 1502	IC LC74HC244		403 067 5603	MT-COMPO	0. 1U J	507	
	409 031 7109	IC MC74HC244N	C2315	403 043 9106	ELECT	47U M	167	
10001	409 052 5603	IC TC74HC244P	C2316	403 166 6808	MT-POLYEST	0.1U J	63V	
1C301 1C302	409 240 7303 409 157 7403	IC CXATZIOP	00010	403 067 5603		0.1U J	50V	
10302	409 073 1707	IC AN614 IC AN5862K	C2318	403 166 6808 403 067 5603	MT-POLYEST	0.1U J	63V	
1 C 4 O 2	409 219 8102	IC L7815-RA	C2319	403 020 8207	MT-COMPO CERAMIC	0.1U J 3P C	50V 50V	
I C403	409 141 0502	IC TA79L008P	C2313	403 166 6808	MT-POLYEST	0.1U J	63V	
IC404	409 026 9101	IC L78M09-RA		403 067 5603	MT-COMPO	0. 1U J	50V	
IC421	410 115 8301	IC LC92032A-507	C2324	403 043 9106	ELECT	47U M	1 6V	
IC423	409 022 0805	IC LC74HCU04	C2325	403 166 6808	MT-POLYEST	0.1U J	63 V	
I C480	409 031 5600 409 043 1904	IC MC74HCU04N IC SN74LS221N	00000	403 067 5603	MT-COMPO	0.1U J	50V	
I C460	409 018 3209		C2326 C2327	403 041 8804 403 049 0008	ELECT ELECT	10U M	16V	
		. C Endocto	C2328	403 049 0008	ELECT	1U M 47U M	50V 16V	
APACITO			C2329	403 166 6808	MT-POLYEST	0.1U J	53V	
C201	403 057 0403		12020	403 067 5603	MT-COMPO	0. 10 J	50V	
****	403 057 1004	POLYESTER 0.01U K 50V	C233	403 166 6808	MT-POLYEST	0. 1U J	6 3V	
C202	403 086 2300	NP-ELECT 1U M 50V		403 067 5603	MT-COMPO	0.1U J	5 OV	
C203	403 057 0403	POLYESTER 0.01U K 50V	C2330	403 043 9106	ELECT	47U M	1 6V	
C204	403 057 1004 403 086 2300	POLYESTER 0.01U K 50V NP-ELECT 1U M 50V	C2332	403 166 6808	MT-POLYEST	0. 1U J	6 3V	
C204	403 086 2300	NP-ELECT 1U M 50V	C2333	403 067 5603 403 043 9106	MT-COMPO Elect	0.1U J 47U M	5 OV 1 6V	
C206	403 057 0403	POLYESTER O. 01U K 50V	C2334	403 166 6808	MT-POLYEST	0.1U J	6.3V	
	403 057 1004	POLYESTER 0.01U K 50V	52557	403 067 5603	MT-COMPO	0. 10 J	5 O V	
C207	403 057 0403	POLYESTER 0.01U K 50V	C2335	403 043 9106	ELECT	47U M	167	
	403 057 1004	POLYESTER 0.01U K 50V	C2336	403 166 6808	MT-POLYEST	0.1U J	63V	
0000	403 050 6600	ELECT 3. 3U M 50V		403 067 5603	MT-COMPO	0.1U J	5OV	
C208		DOLVECTED 1000D V FOU	00000					
C208 C209	403 056 7908 403 056 8707		C2338	403 166 6808	MT-POLYEST MT-COMPO	0. 1U J 0. 1U J	6.3V 5.0V	

Ref. No.	Part No.	Description		Ref.No.	Part No.	Description		
C2339	403 020 8207	CERAMIC 3P C	50V	C254	403 044 6	609 ELECT	10U M	25V
C234	403 166 7706	MT-POLYEST 0. 47U J	63V	C264	403 044 6		10U M	25V
	403 067 7805	MT-COMPO 0.47U J	50V 16V	C274 C287	403 044 6 403 059 3		10U M 2200P K	25V 50V
C2342	403 043 9106 403 166 6808	ELECT 47U M MT-POLYEST 0.1U J	63V	(201	403 059 4		2200P K	50V
C2343	403 067 5603	MT-COMPO 0.1U J	50V	C288	403 059 3		2200P K	50V
C2344	403 043 9106	ELECT 47U M	16V		403 059 4	201 POLYESTER	2200P K	50V
C2345	403 166 6808	MT-POLYEST 0.1U J	63V	C289	403 059 3 403 059 4		2200P K 2200P K	50V 50V
00046	403 067 5603 403 041 8804	MT-COMPO 0.1U J ELECT 10U M	50V 16V	C301	403 042 2		100U M	16V
C2346 C2347	403 049 0008	ELECT 1U M	50V	C302	403 069 8		0.01U Z	50V
C2348	403 043 9106	ELECT 47U M	16V	C303	403 043 9		47U M	16V
C2349	403 166 6808	MT-POLYEST 0.10 J	63V	C304 C305	403 043 9 403 043 9		47U M 47U M	16V 16V
0005	403 067 5603 403 047 3100	MT-COMPO 0.1U J ELECT 47U M	50V 25V	C305	403 043 9		47U M	16V
C235 C2350	403 047 3106	ELECT 47U M	16V	C308	403 042 2	2405 ELECT	100U M	16V
C2352	403 166 6808	MT-POLYEST 0.1U J	63V	C309	403 069 8		0.01U Z	50V
	403 067 5603			C312 C313	403 069 8 403 069 8		0. 01U Z 0. 01U Z	50V 50V
C2353 C2354	403 043 9106 403 166 6808	ELECT 47U M MT-POLYEST 0.1U J		C314	403 069 8	3305 CERAMIC	0. 01U Z	50V
62354	403 067 5603	MT-COMPO 0.1U J	50V	C315	403 069 8	3305 CERAMIC	0.01U Z	50V
C2355	403 043 9106	ELECT 47U M		C316	403 043 9		47U M	16V
C2356	403 166 6808	MT-POLYEST 0.1U J		C317 C357	403 043 9 403 071 9		47U M 220P K	16V 50V
C2358	403 067 5603 403 166 6808	MT-COMPO 0.1U J MT-POLYEST 0.1U J		C361	403 166		0. 22U J	63V
02330	403 067 5603	MT-COMPO 0.1U J	50V		403 067 (6709 MT-COMPO	0.22U J	50V
C2359	403 020 8207	CERAMIC 3P C		C362	403 166		0. 22U J	63V
C236	403 166 6808	MT-POLYEST 0.1U J		C363	403 067 (403 166 (0. 22U J 0. 22U J	50V 63V
C2362	403 067 5603 403 043 9106	MT-COMPO 0.1U 3 ELECT 47U N		6303	403 067		0. 22U J	50V
C2363	403 166 6808	MT-POLYEST 0.1U J		C364	403 041	8804 ELECT	10U M	161
1	403 067 5603	MT-COMPO 0.10 J		C365	403 009		100P J	50V
C237	403 166 6808	MT-POLYEST 0.10 C MT-COMPO 0.10 C		C366 C368	403 069 403 008		0.01U Z 10P D	50V 50V
C2371	403 067 5603 403 043 9106			C369	403 042	7707 ELECT	22U M	167
C2372	403 166 6808	MT-POLYEST 0.10	63V	C370	403 048	6308 ELECT	0.47U M	50V
	403 067 5603	MT-COMPO 0.1U		C371 C372	403 048 403 048	6308 ELECT 6308 ELECT	0. 47U M 0. 47U M	50Y 50Y
C2373 C2374	403 043 9106 403 166 6808	ELECT 47U M MT-POLYEST 0.1U		C373	403 069		0. 01U Z	507
02374	403 067 5603	MT-COMPO 0.1U		C374	403 069	8305 CERAMIC	0.01U Z	507
C2375	403 043 9106	ELECT 47U N		C375	403 069		0.01U Z	50V
C2376	403 166 6808 403 067 5603			C376 C377	403 049 403 049		1U M 1U M	50V 50V
C2377	403 049 0008			C378	403 042		100U M	167
C2378	403 043 9106	ELECT 47U M	16V	C379	403 069	8305 CERAMIC	0.01U Z	501
C2379	403 166 6808	MT-POLYEST 0.1U		C380	403 042		100U M	16Y 50Y
6220	403 067 5603 403 043 9106			C381 C382	403 069 403 028		0.01U Z 56P J	501
C238 C239	403 166 6808			C402	403 069	8305 CERAMIC	0. 01U Z	50Y
0.00	403 067 5603	B MT-COMPO 0.1U .	J 50V	C405	403 046		330U M	251
C240	403 166 7706	MT-POLYEST 0.47U		C406 C407	403 069 403 052		0.01U Z 100U M	50Y 35Y
C241	403 067 7805 403 166 6808	6 MT-COMPO 0.47U . 8 MT-POLYEST 0.1U .		C407	403 069		0. 01U Z	501
C241	403 067 5603	MT-COMPO 0.1U	J 50V	C409	403 042	2405 ELECT	100U M	161
C242	403 166 7706	MT-POLYEST 0.47U .	J 63V	C410	403 069	8305 CERAMIC	0.01U Z	50Y
00.40	403 067 7805			C411 C412	403 040 403 069		220U M 0.01U Z	10Y 50Y
C243 C244	403 008 5501 403 166 6808			C412	403 044		470U M	164
0244	403 067 5603	3 MT-COMPO 0.1U .	J 50V	C414	403 069	8305 CERAMIC	0.01U Z	5 0 Y
C245	403 047 3100) ELECT 47U l	1 25V	C415	403 043		47U M	161
C246	403 008 5501			C416 C421	403 069 403 046		0.01U Z 33U M	50Y 25Y
C247	403 057 0403 403 057 1004			C427	403 125	4906 NP-ELECT	0. 47U M	50Y
C248	403 043 9106	S ELECT 47U M	1 16V	C428	403 061	2202 POLYESTER	3900P K	50Y
C249	403 057 0403	POLYESTER 0.01U F	50V	0.100	403 061		3900P K	50V
0055	403 057 1004	POLYESTER 0.01U		C430 C431	403 020 4 403 060		3P C 3300P K	50V 50V
C250 C252	403 043 9106 403 049 9803	B ELECT 47U M B ELECT 2.2U M		0431	403 060		3300P K	501
C252	403 057 0403	POLYESTER 0.01U	50V	C432	403 086	2300 NP-ELECT	1U M	50V
	403 057 1004	POLYESTER 0.01U	50V	C433	403 063	0008 POLYESTER	6800P K	50V

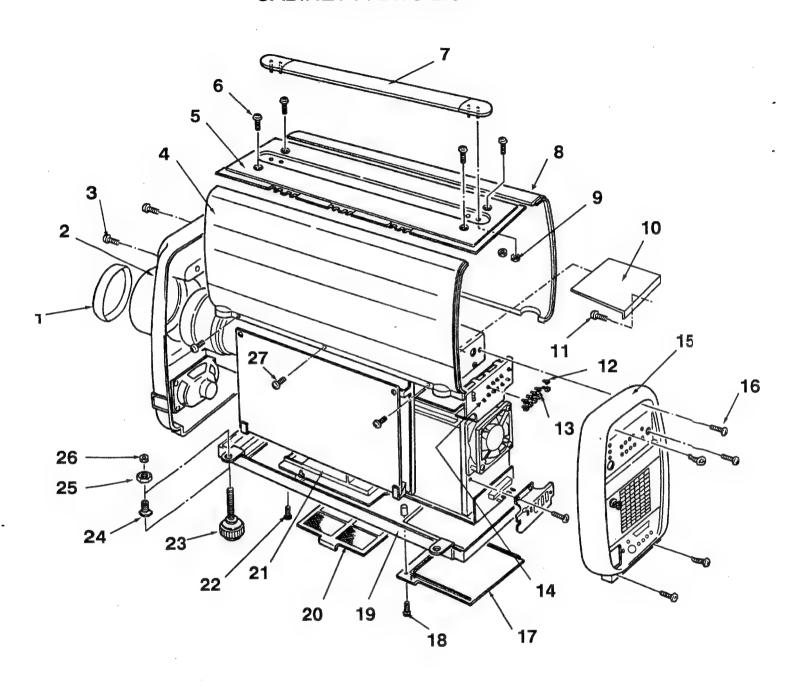
Ref. No.	Part No.	Description	Ref.No.	Part No.	Description	
	403 063 0602	POLYESTER 6800P K 50V		403 067 5603		0. 1U J 50V
C434	403 059 3600	POLYESTER 2200P K 50V	C573	403 049 0008		1U M 50V
0.405	403 059 4201	POLYESTER 2200P K 50V	C574	403 049 9803		2. 2U M 50V
C435	403 069 8305 403 019 7907	CERAMIC 0.01U Z 50V CERAMIC 27P J 50V	C581 C582	403 042 7707 403 069 8305		22U M 16V 0.01U Z 50V
C436 C437	403 019 7907	CERAMIC 15P J 50V	6302	403 003 0300	CENAMIC	0.010 2 304
C438	403 043 9106	ELECT 47U M 16V	RESIST	ΓER		
C439	403 166 6808	MT-POLYEST 0.1U J 63V	R201	401 026 4605	CARBON	33K JA 1/6W
	403 067 5603	MT-COMPO 0.1U J 50V	R202	401 025 8208	CARBON	22K JA 1/6W
C440	403 057 5903	POLYESTER 1200P K 50V	R203	401 026 1000		2.7K JA 1/6W
	403 057 6405	POLYESTER 1200P K 50V	R204	401 024 7707		100K JA 1/6W
C441	403 086 2300	NP-ELECT 1U M 50V	R205	401 025 7409		220 JA 1/6W
C442	403 166 6808	MT-POLYEST 0.1U J 63V	R208	401 026 4605		33K JA 1/6W
0.440	403 067 5603 403 043 9106	MT-COMPO 0.1U J 50V ELECT 47U M 16V	R209 R212	401 087 6204 401 087 6204		0.000 ZA 1/6W 0.000 ZA 1/6W
C443 C444	403 010 6404	CERAMIC 12P J 50V	R213	401 087 6204		0.000 ZA 1/6W
C445	403 017 8005	CERAMIC 22P J 50V	R214	401 087 6204		0.000 ZA 1/6W
C446	403 069 8305	CERAMIC 0.01U Z 50V	R216	401 024 6403		10 JA 1/6W
C447	403 059 5901	POLYESTER 0.022U K 50V	R217	401 026 7408		39K JA 1/6W
	403 059 6700	POLYESTER 0. 022U K 50V	R218	401 024 9701		12K JA 1/6W
C448	403 063 0008	POLYESTER 6800P K 50V	R219	401 024 7400		10K JA 1/6W
	403 063 0602	POLYESTER 6800P K 50V	R220	401 024 7707		100K JA 1/6W
C449	403 086 2300	NP-ELECT 1U M 50V ELECT 47U M 16V	R223 R224	401 027 5908		68K JA 1/6W
C450	403 043 9106 403 166 6808	ELECT 47U M 16V MT-POLYEST 0.1U J 63V	R225	401 026 4609 401 026 7408		33K JA 1/6W 39K JA 1/6W
C451	403 067 5603	MT-COMPO 0.10 J 50V	R226	401 087 6204		0.000 ZA 1/6W
C452	403 166 6808	MT-POLYEST 0.1U J 63V	R2301	401 024 7004		1K JA 1/6W
0402	403 067 5603	MT-COMPO 0.1U J 50V	R2302	401 024 7004		1K JA 1/6W
C453	403 057 0403	POLYESTER 0.01U K 50V	R2307	401 087 6204		0.000 ZA 1/6W
	403 057 1004	POLYESTER 0.01U K 50V	R2309	401 087 6204	CARBON	0.000 ZA 1/6W
C454	403 019 7907	CERAMIC 27P J 50V	R231	401 027 0309		47K JA 1/6W
C455	403 012 4606	CERAMIC 15P J 50V	R2310	401 024 7004		1K JA 1/6W
C456	403 166 6808	MT-POLYEST 0.1U J 63V	R2311	401 024 7004		1K JA 1/6W
0.457	403 067 5603 403 043 9106	MT-COMPO 0.1U J 50V ELECT 47U M 16V	R2312 R2313	401 024 7004 401 027 5205		1K JA 1/6W 680 JA 1/6W
C457 C458	403 056 7908	POLYESTER 1000P K 50V	R2314	401 027 5502		6. 8K JA 1/6W
C436	403 056 8707	POLYESTER 1000P K 50V	R2315	401 025 4200		1. 8K JA 1/6W
C460	403 069 8305	CERAMIC 0.01U Z 50V	R2317	401 024 7004		1K JA 1/6W
C463	403 069 8305	CERAMIC 0.01U Z 50V	R232	401 025 2305		150K JA 1/6W
C471	403 166 6808	MT-POLYEST 0.1U J 63V	R2321	401 024 7004	CARBON	1K JA 1/6W
	403 067 5603	MT-COMPO 0.1U J 50V	R2322	401 024 7004		1K JA 1/6W
C473	403 017 8005	CERAMIC 22P J 50V	R2327	401 087 6204		0.000 ZA 1/6W
C474	403 017 8005	CERAMIC 22P J 50V POLYESTER 0.022U J 50V	R2329 R233	401 087 6204 401 024 9701		0.000 ZA 1/6W 12K JA 1/6W
C481	403 059 5000 403 059 5703	POLYESTER 0. 022U J 50V POLYESTER 0. 022U J 50V	R2330	401 024 7004		1K JA 1/6W
C482	403 059 5000	POLYESTER 0.022U J 50V	R2331	401 024 7004		1K JA 1/6W
3-02	403 059 5703	POLYESTER 0.022U J 50V	R2332	401 024 7004	CARBON	1K JA 1/6W
C501	403 085 6705	NP-ELECT 47U M 16V	R2333	401 027 5205	CARBON	680 JA 1/6W
C502	403 049 9803	ELECT 2. 2U M 50V	R2334	401 027 5502	CARBON	6.8K JA 1/6W
C503	403 166 6808	MT-POLYEST 0.1U J 63V	R2335	401 025 4200		1.8K JA 1/6W
0=4:	403 067 5603	MT-COMPO 0.1U J 50V	R2337	401 024 7004		1K JA 1/6W
C504	403 049 9803		R234	401 024 9701		12K JA 1/6W
C505	403 166 6808 403 067 5603	MT-POLYEST 0.1U J 63V MT-COMPO 0.1U J 50V	R2341 R2342	401 024 7004 401 024 7004		1K JA 1/6W 1K JA 1/6W
C506	403 044 6609	ELECT 10U M 25V	R2347	401 087 6204	CARBON	0.000 ZA 1/6W
C507	403 166 6808		R2349	401 087 6204		0.000 ZA 1/6W
	403 067 5603	MT-COMPO 0.1U J 50V	R235	401 025 2305		150K JA 1/6W
C508	403 166 6808	MT-POLYEST 0.1U J 63V	R2350	401 024 7004	CARBON	1K JA 1/6W
	403 067 5603	MT-COMPO 0.1U J 50V	R2351	401 024 7004	CARBON	1K JA 1/6W
C510	403 166 6808	MT-POLYEST 0.1U J 63V	R2352	401 024 7004		1K JA 1/6W
0	403 067 5603	MT-COMPO 0.1U J 50V	R2353	401 027 5205		680 JA 1/6W
C551	403 166 6808	MT-POLYEST 0.1U J 63V	R2354	401 027 5502		6.8K JA 1/6W
CEro	403 067 5603 403 049 0008	MT-COMPO 0.1U J 50V ELECT 1U M 50V	R2355 R2357	401 025 4200 401 024 7004		1.8K JA 1/6W 1K JA 1/6W
C553 C554	403 049 9803	ELECT 2. 2U M 50V	R236	401 024 7002		1K JA 1/6W 150K JA 1/6W
C561	403 166 6808	MT-POLYEST 0.1U J 63V	R237	401 024 9701	CARBON	12K JA 1/6W
3001	403 067 5603	MT-COMPO 0.1U J 50V	R238	401 024 9701		12K JA 1/5W
C563	403 049 0008	ELECT 1U M 50V	R239	401 024 9701	CARBON	12K JA 1/日W
C564	403 049 9803	ELECT 2.2U M 50V	R240	401 024 9701	CARBON	12K JA 1/5W
C571	403 166 6808		R241	401 025 2305	CARBON	150K JA 1/5W

Ref. No.	Part No.	Descrip	tion		Ref.No.	Part No.	Description		
R242	401 025 230	CARBON	150K JA	1/6W	R334	401 024 7	7004 CARBON	1K JA	1/6W
R243	401 025 230		150K JA	1/6W	R335	401 024 7			1/6W
R250	401 087 620		0.000 ZA	1/6W	R336	401 025 1	1902 CARBON	15K JA	1/6W
R252	401 027 300		56K JA	1/6W	R337	401 025 1	1902 CARBON		1/6W
R253	401 027 300	CARBON	56K JA	1/6W	R338	401 027 5	5205 CARBON		1/6W
R254	401 025 780		2. 2K JA	1/6W	R339	401 027 5	5205 CARBON		1/6W
R255	401 012 450	CARBON	100 JA	1/4W	R340	401 025 1			1/6W
R256	401 012 340		10 JA	1/4W	R341	401 024 7			1/6W
R257	401 025 780		2. 2K JA	1/6W	R350	401 024 7			1/6W
R258	401 012 340		10 JA	1/4W	R351	401 024 7		10K JA	1/6W
R259	401 012 450		100 JA	1/4W	R352	401 024 7			1/6W
R260	401 087 620	4 CARBON	0. 000 ZA	1/6W	R353	401 024 7			1/6W
R262	401 027 300	3 CARBON	56K JA	1/6W	R354	401 025			1/6W
R263	401 027 300	3 CARBON	56K JA	1/6W	R355	401 026 9			1/6W
R264	401 025 780		2. 2K JA	1/6W	R361	401 024			1/6W
R265	401 012 450	3 CARBON	100 JA	1/4W	R362	401 024			1/6W
R266	401 012 340	7 CARBON	10 JA	1/4W	R363	401 025			1/6W
R267	401 025 780		2. 2K JA	1/6W	R364	401 026			1/6W
R268	401 012 340	7 CARBON	10 JA	1/4W	R365	401 027 2			1/6W
R269	401 012 450	3 CARBON	100 JA	1/4W	R367	401 027			1/6W
R270	401 087 620	4 CARBON	0.000 ZA	1/6W	R368	401 026			1/6W
R272	401 027 300		56K JA	1/6W	R369	401 026			1/6W
R273	401 027 300		56K JA	1/6W	R370	401 026			1/6₩
R274	401 025 780		2. 2K JA	1/6W	R371	401 026			1/6₩
R274 R275	401 012 450	3 CARBON	100 JA	1/4W	R372	401 027 !			1/6₩
R276	401 012 340		10 JA	1/4W	R374	401 024			1/6W
R277	401 025 780		2. 2K JA	1/6W	R375	401 024		10K JA	1/6₩
R278	401 012 340	7 CARBON	10 JA	1/4W	R381	401 026			1/6W
R279	401 012 450	3 CARBON	100 JA	1/4W	R382	401 024 9			1/6₩
R281	401 012 340		10 JA	1/4W	R383	401 027			1/6W
R282	401 012 340		10 JA	1/4W	R384	401 026			1/6₩
	401 024 670	O CARBON	100 JA	1/6W	R385	401 027			1/6W
R283 R284	401 012 340		10 JA	1/4W	R386	401 027			1/6₩
R285	401 012 340		10 JA	1/4W	R387	401 027	2600 CARBON		1/6₩
	401 012 340		100 JA	1/6W	R388	401 027			1/6₩
R286	401 012 340		10 JA	1/4W	R389	401 026			1/6W
R287	401 012 340	7 CARBON	10 JA	1/4W	R390	401 026			1/6₩
R288	401 012 340	O CARBON	100 JA	1/6W	R391	401 026		3. 3K JA	1/6W
R289			47 JA	1/6W	R393	401 024			1/6W
R301				1/6W	R394	401 024		10K JA	1/6W
R302	401 025 190		15K JA 220 JA	1/6W	R395	401 024			1/6₩
R303	401 025 740	9 CARBON		•	R397	401 025		1. 5K JA	1/6₩
R304	401 026 960	O CARBON	470 JA 820 JA	1/6W 1/6W	R398	401 025		1. 5K JA	1/6₩
R306	401 027 830	5 CARBON	47 JA		R399	401 025			1/6₩
R307	401 026 930	3 CARBON			R401	401 062		47 JA	14
R308	401 024 700	4 CARBON	1K JA					68 JA	14
R309	401 024 700	4 CARBON	1K JA	1/6W	R403 R406	401 063 (401 024			1/6W
R310	401 026 930		47 JA	1/6W					1/6W
R311	401 025 190		15K JA	1/6W	R407	401 025 401 026	4606 CARBON		1/6¥
R312	401 026 930	3 CARBON	47 JA	1/6W	R421	401 026	7408 CARBON		1/6W
R313	401 025 190	2 CARBON	15K JA	1/6W	R422				
R314	401 024 930		- 1. 2K JA	1/6W	R424	401 026 9			1/6₩
R315	401 026 960	O CARBON	470 JA	1/6W	R425	401 087			1/6W
R316	401 024 700		1K JA	1/6W	R430	401 026			1/6W
R317	401 024 700	4 CARBON	1K JA	1/6W	R431	401 026			1/6W
R318	401 026 930		47 JA	1/6W	R432	401 027			1/6W
R319	401 026 660		390 JA	1/6W	R433	401 087			1/6W
R320	401 024 700		1K JA	1/6W	R435	401 027			1/6W
R321	401 024 700		TK JA		R437	401 087	6204 CARBON		1/6W
R322	401 026 960	O CARBON	470 JA	1/6W	R439	401 087	6204 CARBON		1/6W
R323	401 024 970	1 CARBON	12K JA	1/6W	R441	401 087			1/6W
R324	401 027 550	2 CARBON	6. 8K JA	1/6W	R442	401 025	7805 CARBON		1/6W
R325	401 027 520	5 CARBON	680 JA	1/6W	R443	401 026			1/6W
R326	401 024 700	4 CARBON	1K JA	1/6W	R444	401 027 !			1/6W
R327	401 024 700	4 CARBON	1K JA	1/6W	R445	401 024	7004 CARBON	1K JA	1/6W
R328	401 024 700		1K JA	1/6W	R446	401 025 2		150K JA	1/6W
R329	401 024 930		1. 2K JA	1/6W	R447	401 024 8	8803 CARBON	12 JA	1/6W
R330	401 025 190		15K JA	1/6W	R448	401 024	7707 CARBON	100K JA	1/6W
R331	401 025 190	2 CARBON	15K JA	1/6W	R449	401 024 8	8803 CARBON	12 JA	1/6W
	401 027 520	5 CARBON	680 JA	1/6W	R450	401 025 (1.3K JA	1/6W
N33/						401 027 !			1/6W
R332 R333	401 024 700	4 CARBON	1K JA	1/0#	R451	401 027	JJUZ CANDUN	0. UK 3A	17 011

Ref. No.	Part No.	Description		Ref.No.	Part No.		Description		
R452 R453 R454 R455 R456 R457 R458 R459 R460 R461	401 027 5502 401 024 7004 401 026 7606 401 025 8703 401 024 7400 401 024 8803 401 024 7707 401 025 2305 401 024 7004 401 027 5502	CARBON 1K CARBON 390K CARBON 220K CARBON 10K CARBON 12 CARBON 10OK CARBON 150K CARBON 1K CARBON 6.8K	JA 1/6W JA 1/6W JA 1/6W JA 1/6W JA 1/6W JA 1/6W	VR2301 VR2302 VR2303 VR301 VR481 VR482 VR503 VR551 VR561 VR571	610 019 4 610 019 4	4069 4069 4038 4076 4076 4076 4038 4038	VR B-10K VR B-10K VR B-10K VR B-2CK VR B-2OK VR B-2OK VR B-2OK VR B-2CK VR B-2K VR B-2K VR B-2K		
R462 R463 R464 R465 R466	401 027 4307 401 027 0309 401 027 7704 401 027 6103 401 024 8803	CARBON 750K CARBON 680K	JA 1/6W JA 1/6W	TRANSF T421 T422 T423	ORMER 610 231 2 610 231 2 610 231 2	2768	S TRANS S TRANS S TRANS	,	
R467 R469 R471 R472 R473 R475 R476 R481 R482 R484 R485 R486 R487 R488 R489 R490 R501 R502 R503 R504 R505 R506	401 024 7707 401 087 6204 401 025 8208 401 024 7400 401 026 3707 401 026 3707 401 026 3707 401 024 7400 401 024 7400 401 024 7400 401 024 7400 401 024 7400 401 024 7400 401 024 7400 401 024 7400 401 024 7400 401 024 7400 401 024 7400 401 024 7400 401 024 7400 401 024 7400 401 024 7400 401 024 7400 401 024 7400 401 024 7400 401 024 7004 401 024 7004 401 024 7004	CARBON 1000 CARBON 0.00C CARBON 220 CARBON 100 CARBON 33 CARBON 30 CARBON 100	(JA 1/6W (JA 1/6W	COIL L2301 L2302 L2303 L2304 L2311 L2312 L2313 L2314 L281 L301 L302 L351 L361 L371 L401 L402 L403 L404 L460 L581	610 215 1 610 215 1 610 215 1 401 087 (401 087 (610 215 1 610 215 1 610 215 1 610 030 1 610 030 1 401 087 (401 087 (1374 1374 1374 6204 6204 1374 1374 1374 6204 11139 3864 6204 6204 6204 6204 6204 6204 6204 62	LC BLOCK LC BLOCK CARBON CARBON LC BLOCK LC BLOCK LC BLOCK LC BLOCK CARBON DELAY LINE DELAY LINE CARBON	0.000 ZA 0.000 ZA 0.000 ZA 0.000 ZA 0.000 ZA 0.000 ZA 0.000 ZA 0.000 ZA 0.000 ZA 0.000 ZA	1/6W 1/6W
R507 R508 R509 R510 R511 R512 R513 R514 R5515 R5524 R553 R554 R561 R562 R563 R564 R571 R572 R573 R574	401 026 1604 401 025 1902 401 026 7408 401 026 4605 401 027 9005 401 026 4902 401 026 8001 401 026 9303 401 026 9600 401 027 2600 401 027 2600 401 027 2600 401 027 2600 401 027 2600 401 027 305 401 026 3905 401 027 2600 401 027 2600 401 027 2600 401 027 305 401 026 3905 401 026 3905 401 027 305	CARBON 151 CARBON 391 CARBON 301 CARBON 301 CARBON 821 CARBON 3301 CARBON 0.000 CARBON 470 CARBON 470 CARBON 5.61 CARBON 300 CARBON 470 CARBON 470 CARBON 470 CARBON 470 CARBON 470 CARBON 470 CARBON 470 CARBON 5.61 CARBON 5.66 CARBON 470 CARBON 5.66 CARBON 5.66 CARBON 5.66 CARBON 5.66 CARBON 5.66 CARBON 5.66 CARBON 5.66 CARBON 5.66 CARBON 5.66 CARBON 5.66 CARBON 5.66 CARBON 5.66 CARBON 5.66	(JA 1/6W (JA 1/6W (JA 1/6W (JA 1/6W (JA 1/6W (JA 1/6W) ZA 1/6W) ZA 1/6W (JA 1/6W (JA 1/6W) JA 1/6W (JA 1/6W (JA 1/6W (JA 1/6W (JA 1/6W (JA 1/6W (JA 1/6W (JA 1/6W (JA 1/6W (JA 1/6W (JA 1/6W () JA 1/6W	D10DE D201 D301 D351 D352 D402 D403 D404 D404 D405 D421 D422 D481	407 007 9 407 012 9 407 052 4 407 053 4 407 055 4 407 057 9 407 012 9 407 012 9 407 012 9 407 012 9 407 012 9 407 012 9 407 012 9 407 012 9 407 012 9 407 012 9 407 012 9 407 012 9 407 012 9 407 012 9 407 012 9 407 012 9 407 012 9 407 012 9	4406 5809 4602 6204 7907 9904 4406 5809 9904 4406 5809 9904 2102 2102 2102	ZENER DIODI DIODE GMAO DIODE 1SS1: DIODE GMAO DIODE 1SS1: DIODE 1SS1: DIODE GMAO DIODE 1SS1: DIODE GMAO DIODE 1SS1: CARBON VARACTOR DI VARACTOR DI VARACTOR DI DIODE GMAO DIODE GMAO DIODE 1SS1:	33 76 E HZ4B3 0.000 ZA E RD3.6EL 1 33 76 1 33 76 0.000 ZA I SVC201SP I SVC201SP	1/ 6 ₩ A
VARIABLI VR201 VR202 VR203 VR205 VR206	E RESISTER 610 019 4090 610 019 4090 610 019 4090 610 019 4090 610 019 4090	VR B-50K VR B-50K VR B-50K		D482 D501	407 012 5 407 007 9 407 012 4 407 012 5 407 007 9 407 012 4 407 012 5	9904 1406 5809 9904 1406	DIODE 1SS17 DIODE GMA01 DIODE 1SS13 DIODE 1SS17 DIODE GMA01 DIODE 1SS13 DIODE 1SS17	33 76 33	
VR207 VR208 VR209 VR210	610 019 4052 610 019 4052 610 019 4052 610 019 4038	VR B-5K VR B-5K VR B-5K	-	D502 D551	407 007 9 407 012 4 407 012 5 401 087 6	904 1406 5809	DIODE GMAO1 DIODE 1SS13 DIODE 1SS17	3	1/6W

Ref. No. Part No.	Description	Ref.No.	Part No.	Description
D552	4 CARBON 0.000 ZA 1/6W 1 ZENER DIODE EQA02-25A 7 DIODE ERA81-004 4 DIODE GMA01 6 DIODE 1SS133 9 DIODE 1SS176 44 CARBON 0.000 ZA 1/6W 14 CARBON 0.000 ZA 1/6W 15 ZENER DIODE EQA02-25A 17 DIODE ERA81-004 18 DIODE 1SS133 19 DIODE 1SS133 19 DIODE 1SS176 10 CARBON 0.000 ZA 1/6W 10 ZENER DIODE EQA02-25A 17 DIODE ERA81-004 18 DIODE 1SS133 19 DIODE 1SS176 10 CARBON 0.000 ZA 1/6W 10 ZENER DIODE EQA02-25A 17 DIODE ERA81-004 18 DIODE GMA01 19 DIODE GMA01 19 DIODE GMA01 10 DIODE GMA01 10 DIODE GMA01 10 DIODE ISS133 10 DIODE ISS133	K1003 K1004 K1005 K1006 SW1001 SW1002 SW1003 SW1004 SW1005 SW1007 SW1007 SW1015 SW1017	610 011 3 610 011 3 610 208 5 610 208 5 610 208 5 610 208 5 610 208 5 610 208 5 610 011 1 610 011 1 610 011 1	RCA JACK 1P 989 RCA JACK 1P 972 RCA JACK 1P 350 PUSH SWITCH 350 PUSH SWITCH 082 PUSH SWITCH 082 PUSH SWITCH 082 PUSH SWITCH 082 PUSH SWITCH 350 PUSH SWITCH 350 PUSH SWITCH 3602 PUSH SWITCH 5602 PUSH SWITCH 5602 PUSH SWITCH 790 PUSH SWITCH 790 PUSH SWITCH 790 PUSH SWITCH 790 PUSH SWITCH 806 PUSH SWITCH
l .	MPOUND PCB ASSY E4ZA UE2412	I MISUEL	LANEUS 610 230 6	S705 BALLAST (E4ZA)
	04 TR 2SA1015-GR(SAN) 07 TR 2SA1015-0 (SAN) 05 TR 2SA1015-Y (SAN) 09 TR 2SA564A-Q(CU) 08 TR 2SA564A-R(CU) 05 TR 2SA608-E-CTV-NP 09 TR 2SA608-F-CTV-NP 07 TR 2SA933-Q 07 TR 2SA933S-Q 06 TR 2SA933S-R	FI 901	610 225 2 610 225 2 610 225 2 610 227 0 610 225 2 610 230 6 610 225 2 610 230 6 610 234 8 610 234 8	LCD ALM0305-00 LCD AL
R1001 401 024 7 R1002 401 024 7 R1003 401 026 9	04 CARBON 1K JA 1/6W 00 CARBON 10K JA 1/6W 07 CARBON 4.7K JA 1/6W 01 CARBON 12K JA 1/6W	KSPAS: KSPS K9KS K9KS1 K9KS2 K9LS	610 009 5 610 014 6 610 009 5 610 009 5 610 009 5	5984 TERMINAL PLUG 6549 2P MINI HOUSING-S 7797 CONNECTOR 5984 TERMINAL PLUG 6984 TERMINAL PLUG 7797 CONNECTOR
D1001 407 116 6 D1001B 610 234 6 D1002 407 036 6 D1002A 610 227 3 D1003 407 033 D1003A 610 227 3 D1004 407 029 3 D1004 407 029 3 D1005 407 048 D1006 407 005 407 012 407 012 407 013	69 SPASOR 08 LED SLP-438C-50 69 SPASOR 09 LED SLP-238C-50 69 SPASOR 00 ZENER DIODE EQA02-13A 05 DIODE DS442X 06 DIODE 1SS133 09 DIODE 1SS176 06 DIODE 1S1555 07 DIODE 1S2076	K9LS1 K9LS2 SP901 SW901 △SW904 △T901 △SW901	610 009 9 610 009 9 610 055 9 610 220 0 610 230 0 610 230 9 610 231 9 610 231 9 610 231 9 610 231 9 610 231 9 610 231 9 610 231 9 610 231 9 610 231 9 610 231	5984 TERMINAL PLUG 5984 TERMINAL PLUG 5471 SPEAKER 5464 SPEAKER 0010 SWITCH 8505 SWITCH
EK1 O10 610 217 (K1 OO1 610 010 8	38 BACK CONTROL PCB ASSY E4Z 45 RC AMP L PCB ASSY E4ZA 52 RC AMP R PCB ASSY E4ZA			

CABINET PARTS LIST

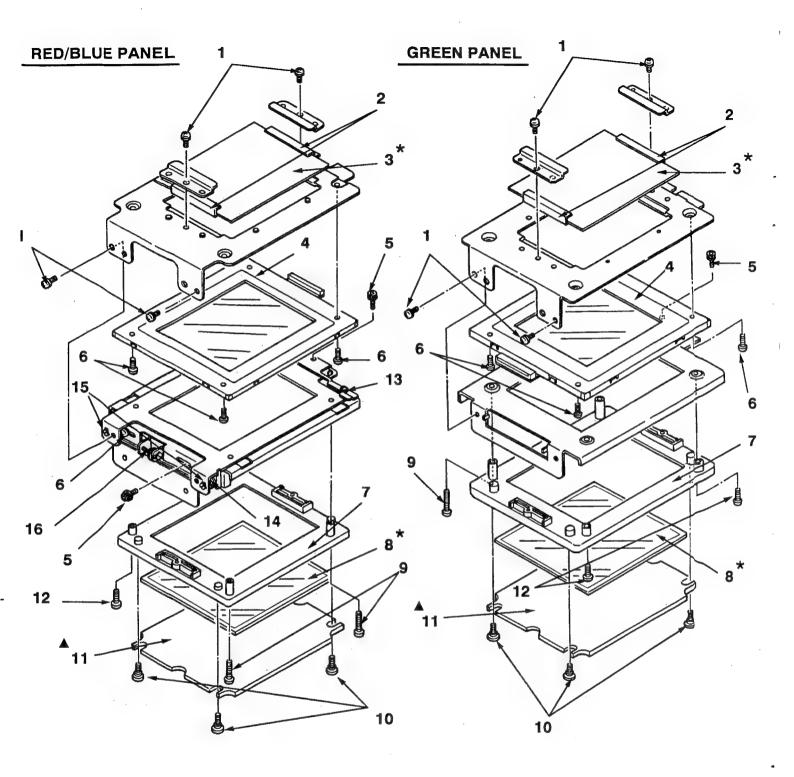


CA	RIN	JET.	PΔ	RTS	LIST	•
~~		T-0-1				

KEY NO.	PART NO.	DESCRIPTION
		1710 010
1.	610 225 3696	LENS CAP
2.	610 228 1743	FRONT CABINET
	610 223 9751	BRAND BADGE
	610 220 1123	TRANSPARENT BOARD (2 USED)
	610 218 4099	FILTER,RC PRE-AMP. (2 USED)
3.	411 077 1102	SCREW,4X10MM (4 USED)
4.	610 225 2149	SIDE CABINET (RIGHT)
5.	610 225 2125	TOP CABINET
6.	411 077 1102	SCREW,4X10MM (4 USED)
7.	610 225 4075	HANDLE ASSY
	610 225 2231	HANDLE MTG. BRAKET (2 USED)
	610 220 1154	HANDLE COVER (2 USED)
	610 220 1222	HANDLE SLIDE PLATE (4 USED)
8.	610 226 5743	SIDE CABINET (LEFT)
9.	412 036 2307	SPECIAL NUT (4 USED)
↑ 10.	610 227 3472	INSULATION SHEET
11.	412 027 1401	SCREW,3X8MM
<u> 12.</u>	610 029 1799	PUSH BUTTON ASSY
<u></u> 13.	610 220 1352	PUSH BUTTON ASSY (9 USED)
14.	610 220 5435	PUSH BUTTON ASSY
15.	610 231 0161	REAR CABINET
	610 230 5289	DECORATION PLATE (TOP)
	610 230 5296	DECORATION PLATE (BOTTOM)
	610 132 2447	HOOK,AC CORD
16.	411 077 1102	SCREW,4X10MM (2 USED)
⚠ 17.	610 230 4091	LAMP REPLACE COVER
18.	411 076 1103	SCREW,4X12MM (2 USED)
19.	610 230 4084	BOTTOMCABINET
<u>^</u> 20.	610 225 2187	FILTER FILTER MTG. PLATE
21.	610 225 2200	SCREW,4X12MM (3 USED)
22.	411 076 1103	
23.	610 225 4068	LEG ASSY (4 USED) SPECIAL NUT (4 USED)
24.	412 036 8408	NUT (4 USED)
25 .	411 136 2903	NUT (4 USED)
26.	411 004 6101 411 076 1103	SCREW,4X12MM (4 USED)
27.	411 070 1103	JOILT, TAILMIN (T JOLD)

ACCESSORIES PARTS LIST

KEY NO.	PART NO.	DESCRIPTION	
	610 230 6361	OWNER'S MANUAL (PLC-100P)	
	610 231 9583	OWNER'S MANUAL (PLC-100PB/PP)	
	610 225 4907	DUST COVER	
	610 229 1056	RC TRANSMITTER	
	610 105 0463	RC BATTERY COVER	



Caution;

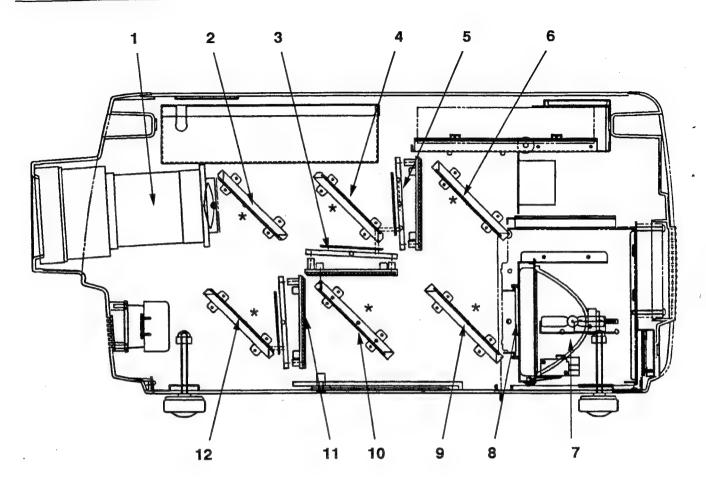
* Coating face is inner side (LCD panel side).

Rugged face is inner side (LCD panel side).

LCD PANEL PARTS LIST

KEY NO.	RED/BLUE LCD PANEL PART NO.	DESCRIPTION
1.	411 036 6001	SCREW AND WASHER,3X8MM (2 USED)
2.	610 228 1316	SUPPORTER (2 USED)
3.	610 225 4105	POLARIZED GLASS ASSY (OUT)
4.		LCD PANEL
		(SEE ELECTRICAL PARTS LIST)
5.	412 037 7509	SPECIAL SCREW
6.	411 029 0900	SCREW,3X8MM (6 USED)
7.	610 225 0015	CONDENSER LENS BASE
8.	610 225 4099	POLARIZED GLASS ASSY (IN)
9.	411 028 8303	SCREW,3X18MM (2 USED) SPECIAL SCREW (4 USED)
10.	412 036 9108 610 225 2941	LENS (FRESNEL)
11.	411 028 7900	SCREW,3X14MM (2 USED)
12. 13.	412 027 1401	SCREW,3X8MM
13.	412 037 7509	WASHER (2 USED)
14.	610 227 3052	SPRING
15.	412 037 7202	SPECIAL SCREW (2 USED)
10.	411 016 0500	RING-E (2 USED)
16.	412 036 7401	SPECIAL SCREW
	GREEN LCD PANEL	
KEY NO.	PART NO.	DESCRIPTION
1.	411 036 6001	SCREW AND WASHER,3X8MM (2 USED)
2.	610 228 1316	SUPPORTER (2 USED)
3.	610 225 4105	POLARIZED GLASS ASSY (OUT)
4.		LCD PANEL
		(SEE ELECTRICAL PARTS LIST)
5.	412 037 7509	SPECIAL SCREW (2 USED)
6.	411 029 0900	SCREW,3X8MM (4 USED)
7.	610 225 0015	CONDENSER LENS BASE
8.	610 225 4099	POLARIZED GLASS ASSY (IN)
9.	411 028 8303	SCREW,3X18MM (2 USED)
10.	412 036 9108	SPECIAL SCREW (4 USED)
11.	610 225 2941	LENS (FRESNEL)
12.	411 028 7900	SCREW,3X14MM (2 USED)

OPTICAL PARTS



Caution; *.... Coating face of the mirror.

	KEY NO.	OPTICAL PARTS LIST PART NO.	DESCRIPTION
-	1.	610 225 2934	LENS(PROJECTION)
	2.	610 230 6026	MIRROR(DICHROIC - B)
	3.		GREEN LCD PANEL ASSY
			(SEE LCD PANEL PARTS LIST)
	4.	610 225 2989	MIRROR(DICHROIC - G2)
	5.		BLUE LCD PANEL ASSY
	6.	610 225 3412	MIRROR(FOR RED)
Ŵ	7.		LAMP AND HOLDER ASSY (LP901A) (SEE ELECTRICAL PARTS LIST)
	8.	610 225 2958	GLASS(UV CUT FILTER)
	9.	610 230 6019	MIRROR(DICHROIC - R)
	10.	610 225 2972	MIRROR(DICHROIC - G1)
	11.		RED LCD PANEL ASSY (SEE LCD PANEL PARTS LIST)
	12.	610 225 3429	MIRROR(FOR BLUE)

VOLTAGE & WAVEFORMS

1. TR

	E(V)	C(V)	B(V)		E(V)	C(V)	B(V)		E(V)	C(V)	B(V)
Q0C1	6.1	0	6.7	Q131	0	11.6	0.1	Q843	0.8	0.8	1.5
Q0C2	0.3	11.8	0	Q132	0	0	5.2	Q844	0	0.1	8.0
Q0C3	2.4	11.8	3.1	Q151	11.3	4.0	10.8	Q847	0	10.5	0
Q0C4	11.8	0	11.8	Q152	3.3	10.9	3.9	Q848	0	10.2	0
Q0C5	0	11.7	0	Q152	11.3	4.0	10.8	Q861	0	4.0	0
Q0G1	3.0	11.8	3.6	Q153	2.6	11.7	3.0	Q871	0	0	0.1
Q0G2	3.0	11.8	3.6	Q171	3.2	11.8	3.6	Q872	0	5.0	0
Q0G3	0.1	0	0.1	Q172	3.2	11.8	3.6	Q221	0	4.6	0.2
Q0G4	0.1	0	0.1	Q173	3.2	11.8	3.6	Q2303	3.8	11.9	4.5
Q0P1	5.1	11.8	5.7	Q174	3.1	11.8	2.6	Q2304	1.3	11.9	1.9
Q021	6.8	11.8	6.7	Q175	3.2	11.8	2.6	Q2305	1.3	6.3	1.9
Q022	0	0	0.7	Q176	3.1	11.8	2.7	Q2306	5.7	11.9	6.3
Q023	0	10.7	0	Q177	2.6	11.8	3.2	Q2307	5.0	11.9	5.7
Q041	6.5	11.9	7.1	Q179	3.3	0	2.6	Q2313	3.8	11.9	4.5
Q042	6.4	11.8	7.0	Q181	0	0	0.7	Q2314	1.3	11.9	1.9
Q061	0	11.8	0.1	Q182	0	11.8	0	Q2315	1.3	6.3	1.9
Q062	0	11.8	0.1	Q183	0	5.3	0	Q2316	5.6	11.9	6.2
Q063	1.6	11.8	0.1	Q184	0	0	0.9	Q2317	5.0	11.9	5.7
Q069	5.0	11.6	5.7	Q801	0	0	5.0	Q2323	3.8	11.9	4.5
Q081	5.7	11.8	6.2	Q802	0	2.1	0.9	Q2324	1.3	11.9	1.9
Q082	5.7	11.8	6.3	Q803	0	0.1	2.8	Q2325	1.3	6.3	1.9
Q083	1.3	5.4	2.0	Q804	0	0.1	2.8	Q2326	5.7	11.9	6.3
Q084	0	0	0.7	Q805	0	0.1	2.8	Q2327	5.0	11.9	5.7
Q1A1	3.7	11.8	4.3	Q806	0	5.0	0	Q251	8.3	0	7.6
Q1F1	11.0	11.8	11.7	Q821	5.0	10.4	5.7	Q252	7.1	15.0	7.6
Q1F2	0	0	11.1	Q824	4.4	5.0	5.0	Q253	7.7	14.8	8.3
Q1F3	0	0	0	Q829	0	9.4	0	Q254	7.6	0.2	7.1
Q1F4	0	0	0	Q831	0	0.1	9.4	Q261	8.3	0	7 .7
Q1F5	9.4	11.0	0	Q842	0.1	0.2	0.9	Q262	7.2	14.9	7 .7

	E(V)	C(V)	B(V)		E(V)	C(V)	B(V)	E(V)	C(V)	B(V)
Q263	7.8	14.8	8.3	Q482	0	0.1	0			
Q264	7.7	0.2	7.1	Q483	0	4.3	0			
Q271	8.3	0	7.6	Q484	0	0.1	0.2			
Q272	7.1	15.0	7.7	Q501	5.2	11.9	5.9			
Q273	7.7	14.8	8.3	Q502	0.5	11.9	0.7			
Q274	7.6	0.2	7.1	Q503	6.5	0	6.2			
Q281	7.4	15.0	7.4	Q504	7.2	0	6.2			
Q282	7.4	0	7.4	Q505	1.3	6.2	1.6			
Q283	7.5	14.9	7.5	Q551	- 16.1	- 6.5	- 15.5			
Q284	7.5	0	7.5	Q561	- 16.1	- 6.3	- 15.5			
Q285	7.5	15.0	7.5	Q571	- 16.1	- 6.0	- 15.5			
Q286	7.5	4.6	7.5							
Q301	- 1.0	9.2	- 0.4							
Q302	- 1.6	6.7	- 1.0			,				
Q303	6.1	9.2	6.7							
Q304	5.4	9.2	6.1							
Q305	2.6	9.2	3.3							
Q306	2.0	0	1.3							
Q307	- 1.0	9.2	- 0.4							
Q308	- 1.0	9.2	- 0.4							
Q309	3.7	9.2	4.4							
Q310	2.6	0	1.9							
Q311	3.8	9.2	4.5							
Q312	3.3	0	2.6							
Q401	0	5.1	- 1.0							
Q421	2.0	0	1.4		`					
Q422	3.1	0	2.5							
Q470	0	0	0.7							
Q481	0	0	0.7							

2. IC

Pin	V	Pin	V	Pin	V	Pin	V
ICO	01	7	11.7	13	5.7	5	11.2
1	4.6	8	2.5	14	5.7	6	11.3
2	0	ICO)41	15	5.7	7	0
3	4.7	1	0	16	11.7	8	11.4
4	0	2	0	ICO	052	9	23.6
5	6.7	3	0	1	3.1	IC.	IA1
6	0	4	11.7	2	0	1	0.3
7	4.6	5	7.7	3	3.1	2	1.1
8	10.7	. 6	0	4	4.7	3	5.0
9	6.7	7	7.8	5	11.7	4	7.7
10	0	8	7.1	IC	061	5	4.0
11	6.9	9	11.7	1	0	6	6.8
12	4.9	10	7.7	2	0	7	4.8
13	4.9	11	7.0	3	0	8	2.9
14	4.9	12	7.8	4	0	9	0
15	3.6	IC	051	5	7.8	10	1.8
16	3.6	1	0	6	0	11	0
17	4.9	2	5.7	7	7.7	12	0.7
18	4.9	3	5.7	8	7.0	13	11.7
19	4.9	4	5.7	9	11.7	14	3.3
20	3.6	5	5.1	10	7.7	15	4.6
IC	002	6	0	11	7.0	16	9.3
1	0	7	0	12	7.8	17	1.6
2	2.8	8	0	IC	091	18	6.3
3	11.7	9	11.7	1	11.7		
4	9.2	10	0	2	5.3		
5	11.1	11	11.7	3	0		
6	2.9	12	0	4	2.8		

Pin	V	Pin	V	Pin	V	Pin	V
IC1	K1	11	2.4	10	1.7	9	2.8
1	0	12	7.8	11	0.6	10	2.8
2	2.1	13	11.6	12	3.5	11	0
3	4.7	14	5.8	13	8.4	12	5.1
4	2.9	15	3.3	14	8.3	13	0
5	0.7	16	8.0	15	7.0	14	5.1
6	0	17	3.0	16	3.3	15	0
7	0	18	7.8	17	7.2	16	5.1
8	0	19	0	18	0	17	5.1
9	1.3	20	5.6	19	2.7	18	0
10	4.7	21	7.3	20	4.9	19	0
11	4.7	22	4.2	21	4.7	20	0
12	3.4	23	0	22	4.5	21	0
13	1.3	24	1.7	23	4.7	22	0
14	0	25	0.1	24	0	23	5.1
15	1.4	26	0.1	25	6.2	24	5.1
16	4.7	27	0.1	26	3.9	25	5.1
IC.	101	28	5.8	27	0	26	5.1
1	7.5	IC.	102	28	0	27	0
2	8.2	1	3.6	IC	301	28	2.3
3	7.5	2	5.0	1	5.1	29	5.1
4	4.7	3	3.6	2	5.1	30	2.2
5	5.3	4	5.4	3	5.3	31	2.4
6	8.2	5	3.6	4	5.1	32	0
7	5.1	6	11.7	5	5.1	33	4.6
8	4.7	7	11.7	6	0	34	5.1
9	0	8	3.3	7	2.8	35	5.1
10	2.4	9	9.9	8	2.8	36	5.1

Pin	V	Pin	V	Pin	٧	Pin	V
IC	301	64 5.1		14	5.0	14	4.0
37	5.1	IC8	02	15	3.2	15	4.5
38	5.0	1	5.0	16	11.1	16	0.8
39	5.0	2	5.0	IC851	/852	17	2.9
40	5.0	3	0	1	0	18	2.9
41	5.0	IC8	03	2	0.6	19	3.7
42	0	1	5.1	3	0.8	20	– 8.1
43	0	2	5.1	4	5.1	21	0.5
44	0	3	5.1	5	0	22	5.1
45	0	4	5.1	6	0	23	5.1
46	0	5	0	7	11.9	24	5.1
47	0	6	5.1	8	11.9	25	4.2
48	5.0	7	5.1	9	0.8	26	2.5
49	0	8	5.1	10	0.6	27	- 7.3
50	0	IC	304	IC	201	28	0
51	0	1	5.1	1	3.0	29	0
52	0.9	2	0.1	2	3.6	30	2.9
53	0	3	0.1	3	2.0	31	2.9
54	0	4	0	4	4.7	32	2.9
55	0.1	5	0	5	0	33	0.8
56	0.1	6	0.1	6	3.0	34	4.6
57	0	7	9.3	7	4.0	35	0
58	0	8	0	8	3.1	36	1.7
59	0.1	9	0.3	9	2.6	37	1.8
60	0.1	10	5.0	10	3.1	38	1.9
61	0.1	11	5.0	11	5.1	39	0
62	5.1	12	7.8	12	3.1	40	- 1.8
63	4.2	13	5.0	13	2.1	41	0

Pin	V	Pin	V	Pin	V	Pin	V
IC	201	IC2301/2	302/2303	5	2.7	33	4.5
42	- 1.7	1	0	6	0	34	0
43	0.1	2	1.7	7	1.8	35	5.1
44	- 1.6	3	1.6	8	1.4	36	5.1
45	- 8.1	4	1.5	9	1.6	37	1.3
46	0.1	5	1.5	10	2.0	38	2.2
47	2.6	6	1.4	11	1.3	39	2.7
48	5.1	7	2.4	12	2.2	40	1.4
49	3.6	8	2.0	13	2.6	41	1.8
50	0	9	1.3	14	1.4	42	1.6
IC	202	10	2.6	15	1.5	IC2	314
1	3.5	11	0	16	1.5	1	О
2	2.5	12	0	17	1.6	2	2.2
3	2.5	13	5.1	18	1.7	3	2.6
4	- 8.1	14	5.1	19	2.4	4	1.3
5	7.4	15	1.7	20	2.5	5	2.7
6	7.4	16	2.4	21	2.4	6	4.8
7	7.4	17	3.9	22	0	7	0.9
8	15.0	18	3.9	23	5.1	8	4.7
IC	203	19	3.1	24	2.8	9	2.6
1	7.5	20	5.1	25	5.1	10	0
2	7.5	21	5.1	26	4.1	11	0
3	7.5	22	0	27	4.1	12	4.7
4	- 8.1	IC2	313	28	0	13	0.9
5	7.5	1	2.6	29	4.5	14	4.8
6	7.5	2	1.6	30	0	15	2.2
7	7.5	-3	1.3	31	4.5	16	2.3
8	15.0	4	2.2	32	0	17	2.2

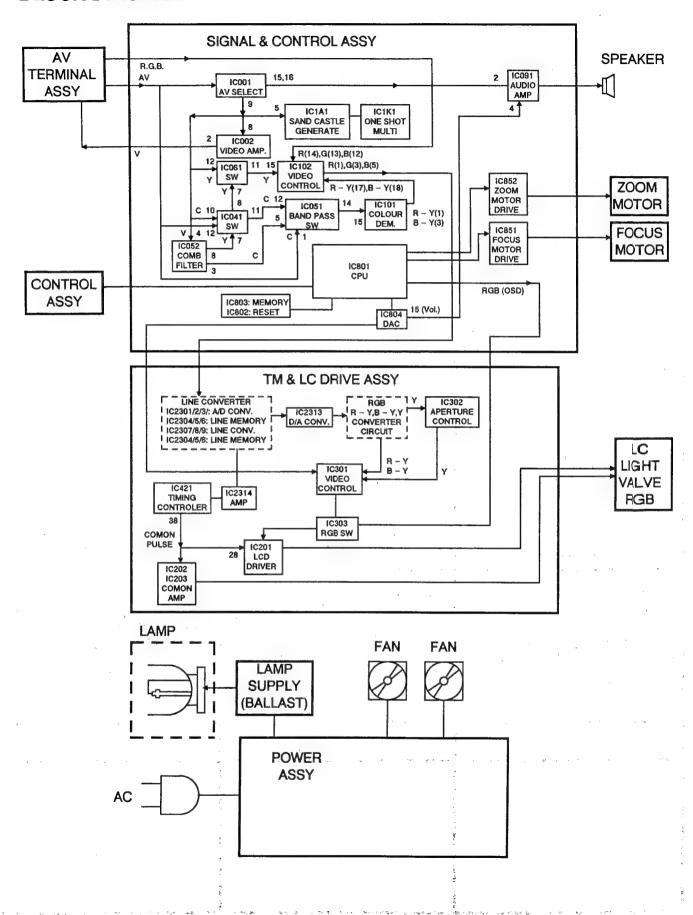
Pin	V	Pin	٧	Pin	V	Pin	V
IC2	314	24	4.1	IC402		16	0
18	2.7	25	4.6	1	19.5	17	2.3
19	0	26	3.9	2	15.0	18	2.3
20	5.1	27	6.5	3	0	19	2.3
ICS	301	28	9.2	IC4	103	20	2.3
1	0.2	ICS	302	1	– 12.6	21	2.5
2	0.1	1	2.4	2	– 8.1	22	2.4
3	0.2	2	4.5	3	0	23	0
4	7.7	3	4.1	IC4	104	24	5.1
5	4.0	4	0	1	11.9	25	0
6	4.0	5	2.4	2	9.2	26	2.7
7	5.6	6	9.2	3	0	27	2.7
8	5.2	7	6.3	IC.	421	28	5.0
9	0	IC	303	1	0	29	4.0
10	1.3	1	3.6	2	3.1	30	4.0
1 1	3.8	2	3.6	3	3.2	31	3.7
12	3.5	3	3.6	4	4.6	32	0
13	7.0	4	0.1	5	4.6	33	5.0
14	4.1	5	3.6	6	4.6	34	5.0
15	3.6	6	3.6	7	0	35	0.3
16	5.2	7	0	8	0	36	0
17	3.6	8	3.7	9	0	37	0.1
18	5.2	9	11.9	10	0	38	2.6
19	3.6	10	0	11	0	39	0.2
20	5.4	11	2.7	12	0	40	5.1
21	0	12	0	13	0	41	4.6
22	1.4	13	3.0	14	5.0	42	4.5
23	2.7			15	0	43	4.2

Pin	V	Pin	V	Pin	٧	Pin	V
IC	IC421		5.1	IC	501		
44	4.5	7	0	1	1.3		
45	0	8	2.6	2	0.5		
46	2.2	9	2.7	3	0.5		
47	2.2	10	5.1	4	- 8.1		
48	0.8	11	0	5	0.5		
49	0.3	12	5.1	6	0		
50	1.5	13	0	7	11.4		
51	0	14	5.1	8	11.9		
52	0	IC4	180				
53	5.1	1	0.2				
54	5.1	2	5.1				
55	4.8	3	5.1				
56	4.7	4	4.3				
57	0	5	0.2				;
58	0.9	6	5.0				
59	2.5	7	0.8				
60	1.3	8	0				
61	2.1	9	0.2				-
62	4.3	10	0				
63	0.1	11	5.1				
64	5.1	12	4.3				
10	2423	13	0.2				
1	2.6	14	5.0				
2	2.7	15	0				
3	2.7	16	5.1				
-4	2.7						
5	0						

3. WAVEFORMS

IC101 15Pin (TP 1A)	IC101 1Pin (TP RY)	IC101 3Pin (TP BY)		
0.2Vpp (H)	0.2Vpp (H)	0.2Vpp (H)		
IC102 1Pin	IC102 3Pin	IC102 5Pin		
4Vpp (H)	4Vpp (H)	4Vpp (H)		
Q2303 — B (TP 1B)	Q2313 - B (TP 1G)	Q2323 - B (TP 1R)		
0.8Vpp (H)	0.8Vpp (H)	0.8Vpp (H)		
TP 22R	TP 22G	TP 22B		
1.2Vpp (H)	1.2Vpp (H)	1.2Vpp (H)		

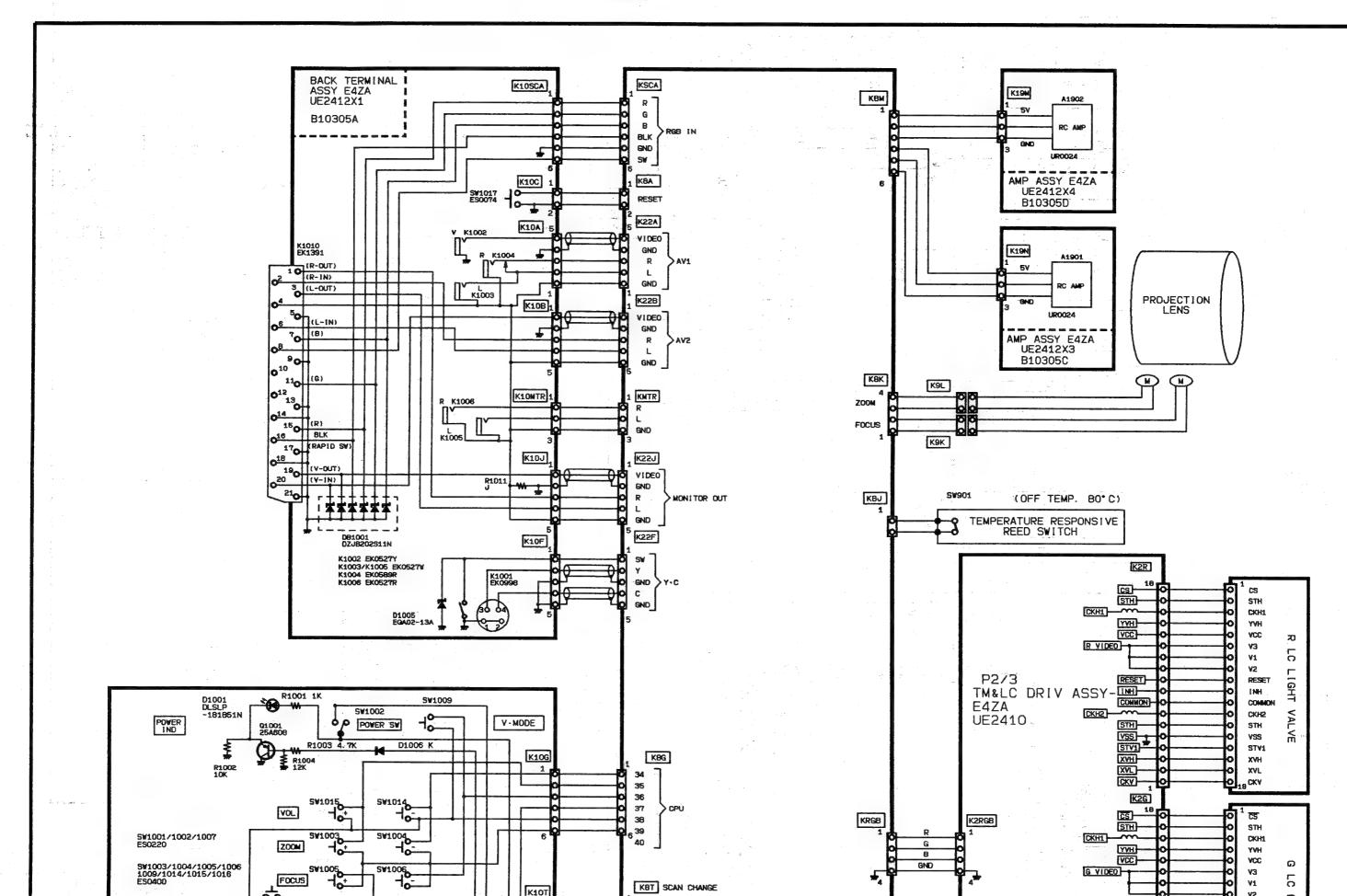
BLOCK DIAGRAM

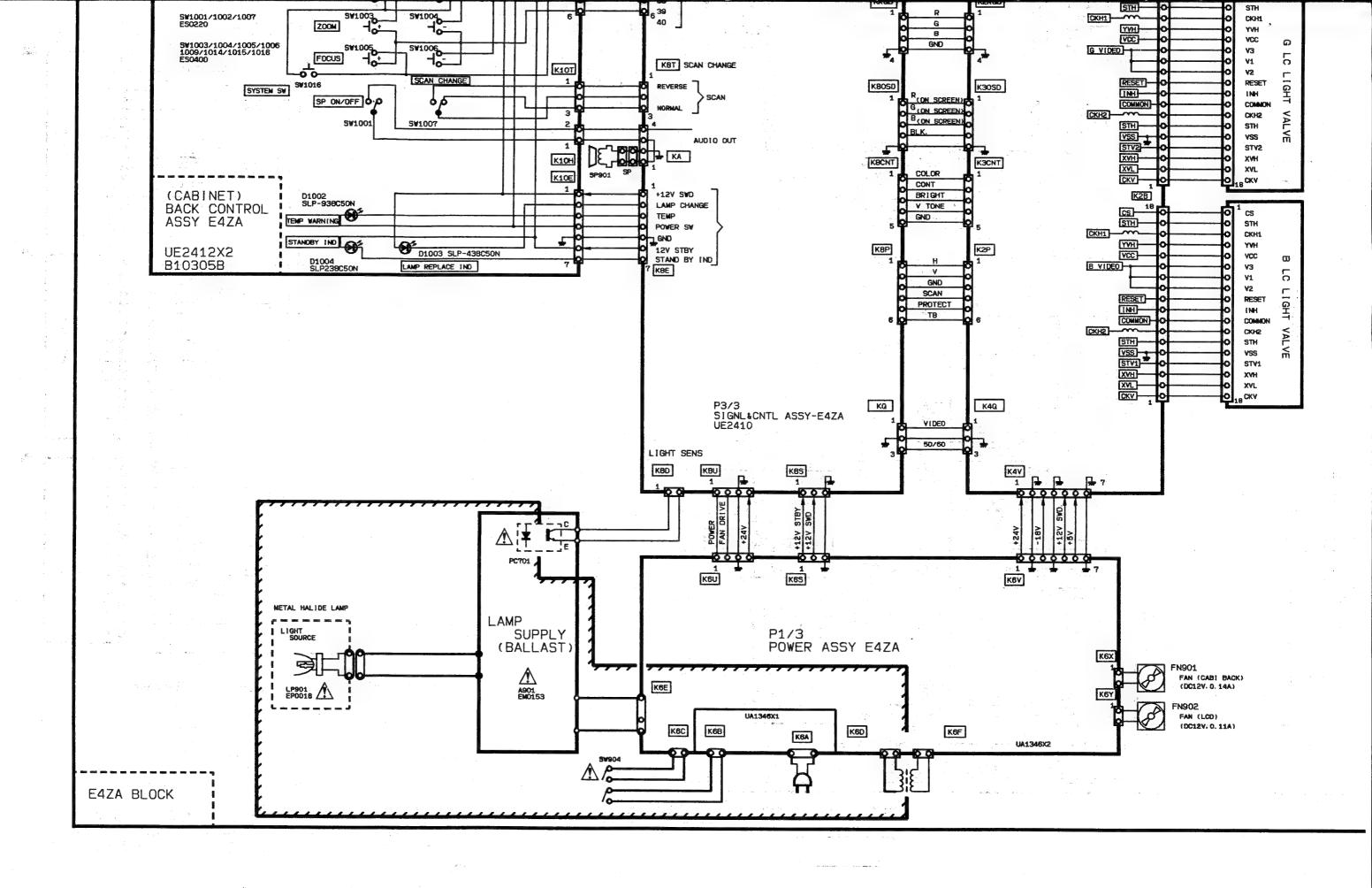


MODEL PLC-100P/PLC-100PB/PLC-100PP

Chassis No.PJP1

SCHEMATIC DIAGRAMS





PRODUCT SAFETY NOTICE

THE COMPONENTS DESIGNATED BY A MARK(A.) IN THIS SCHEMATIC DIAGRAM DESIGNATE COMPONENTS WHOSE VALUES ARE OF SPECIAL SIGNIFICANCE TO PRODUCT SAFETY. SHOULD ANY COMPONENT DESIGNATED BY A MARK NEED TO BE REPLACED, USE ONLY THE PART DESIGNATED IN THE PARTS LIST. DO NOT DEVIATE FROM THE RESISTANCE, WATTAGE AND VOLTAGE RATINGS

SERVICE NOTES:

- 1. When replacing parts on circuit boards, clamp the lead wires to terminals before soldering.
- 2. When replacing high wattage resistors on circuit board, keep the resistor body 10 mm (3/8") from circuit board.
- 3. Keep wires away from high voltage and high temperature components.

NOTES ON SCHEMATIC DIAGRAM

Specification of capacitor and resistors will be shown with Read resistor codes as follows: coded symbols, reading code symbols following the chart 1. All resistance values are indicated in ohms: K=1,000. and notes. Some capacitor and resistors will be shown directly with values and no other information. Detailed 2. All resistance values are 1/6W, \pm 5% unless otherwise information on each capacitor and resistor will be shown in the list.

NOTE: DO NOT REPLACE OR ORDER RESISTOR AND CAPACITOR PARTS FOLLOWING THE SPECIFI- Read capacitor codes as follows: GRAMS.

CATIONS IN THE PARTS LIST, ESPECIALLY FOR CRITICAL COMPONENT MARKED A. SPECIAL ATTENTION MUST BE GIVEN TO CRITICAL COMPONENTS.

- M=1,000,000.
- identified with the code.

Read wattage, material and tolerance codes following the chart.

- CATIONS SHOWN IN THE SCHEMATIC DIA- 1. For capacitors identified with with -| |-- , values less than 1 are expressed in μ F, values more than 1 are in pF.
 - expressed in μ F.

\angle	SANYO NO.	2SC536	25C945A	2SC1815	25C1740	25017409
A	70T00214	E.F.G	P. Q. R	0. Y. G	Q. R. S	Q.R.S
В	70T00083	E.F.G	P. Q. R	0. Y. G	Q, R, S	
	70T00422		P.Q		Q. R. S	Q.R.S
D	70T00128	F. G	P. Q.	Y. G	Q. R. S	I
Ē	70T00423	F. G	P	G	R. S	R. 5
F	70T00168	F, G	Р	G	R, S	

K6E

-: ((DIODE)					
		SANYO NO.	TYPE NO			
		7ED00181	1S1555, 1S2473, 1S2076, 1SS133, DS442, 1SS176			
	K	7E100007	1S1555, 1S2473, 1S2076, DS442			
	L	7E100028	1S1553, 1S2076A, 1S2471			
			1SS176. GMA01. 1SS133			
	N	7DD00020	1S1555, 1S2473, 1S2076, 1SS133, DS442, 1SS176, 1N4148			
1	Р	7DD00021	1S1553, 1S2076A, 1S2471, 1N4148			

(12	MP · IK)					
K	SANYO NO.	2SA608	2SA564A	2SA1015	2SA933	2SA933S
	7QT00418		Q. R	0. Y. G	Q.R	Q. R
ĪΫ	7QT00419	E.F.	.Q.R.	0. Y. G.	Q. R	
Īx	70T00420	F	R	Y. G	R	R
V	70100421	F	P	- Y. G	R	2-1 -1

VCC

V2 RESET COMMON CKH2 STH VSS STV1 XVL 1₁₈CKV

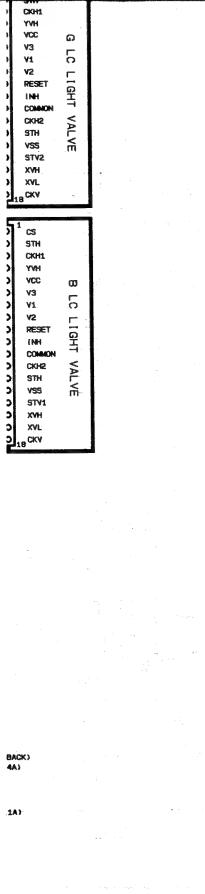
> STH CKH1

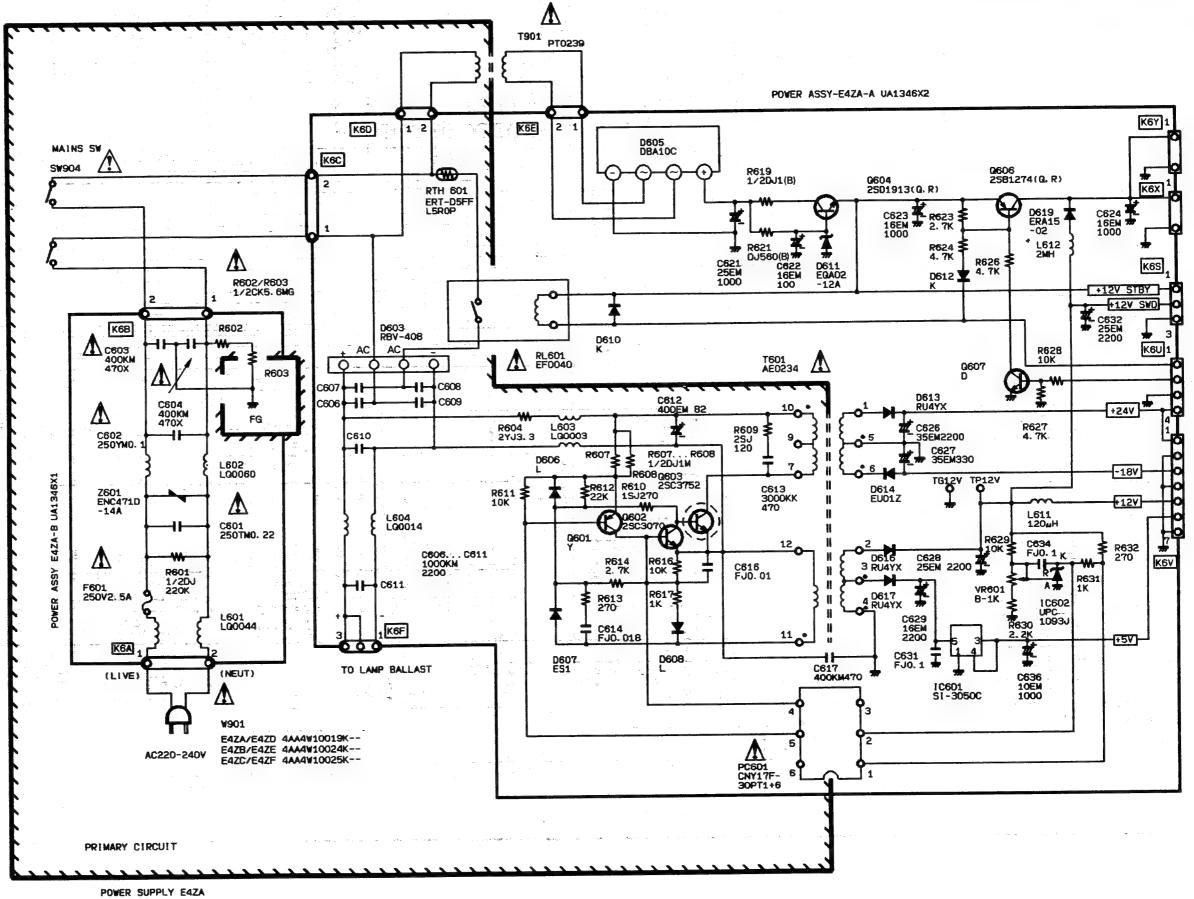
٧2 RESET CONNO STH

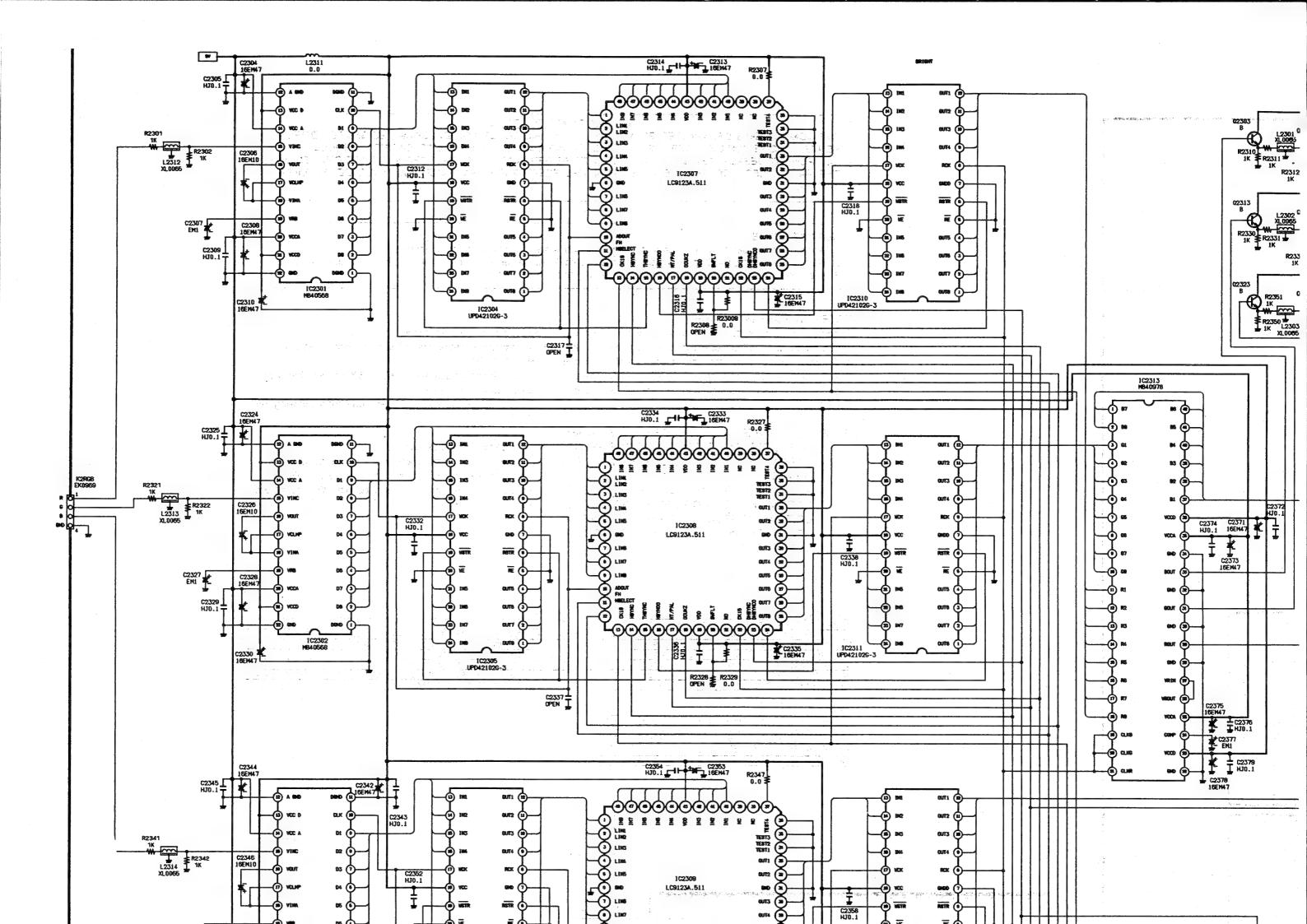
VSS

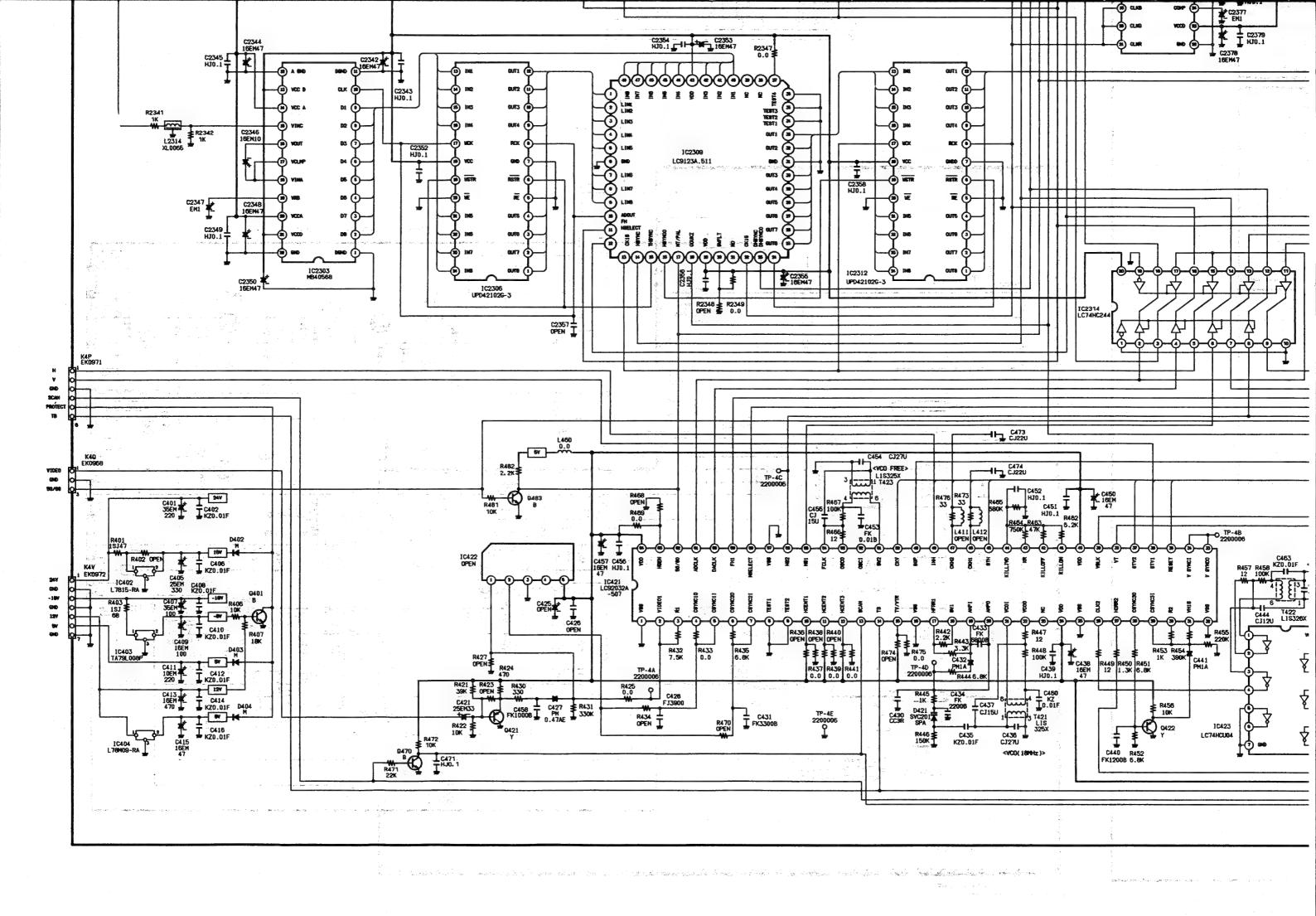
POWER ASSY-E4ZA-A UA1346X2

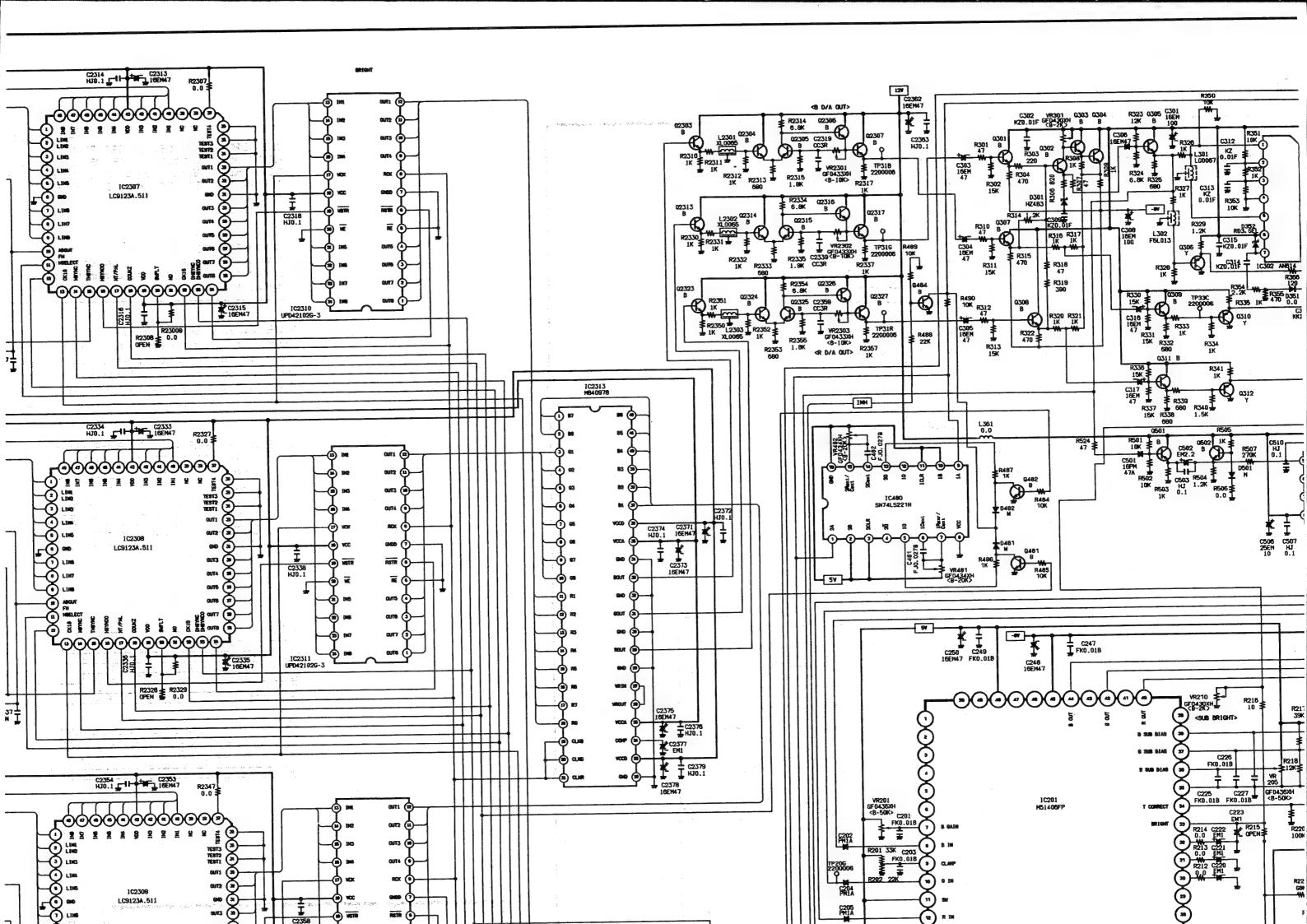
K6Y 1

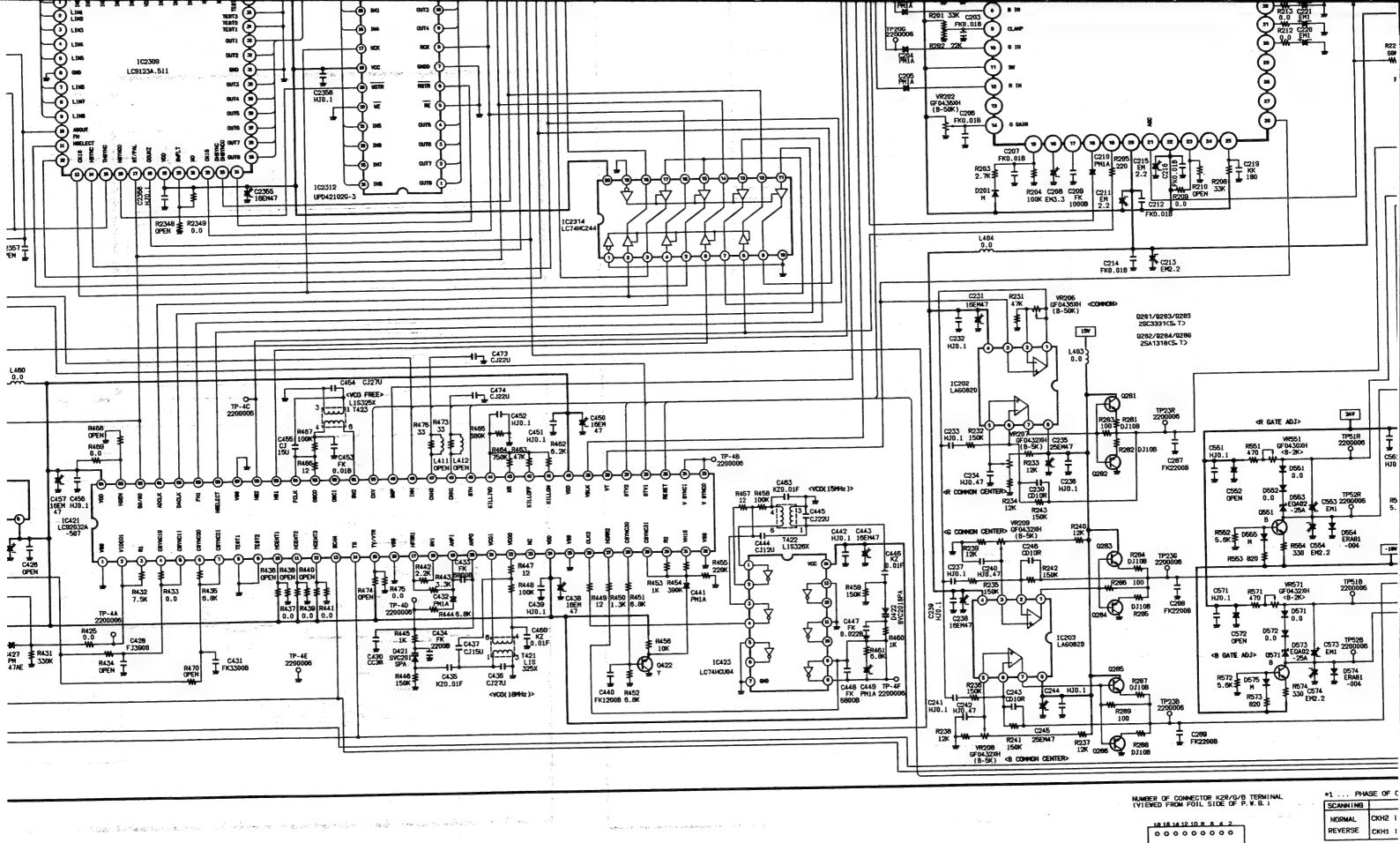


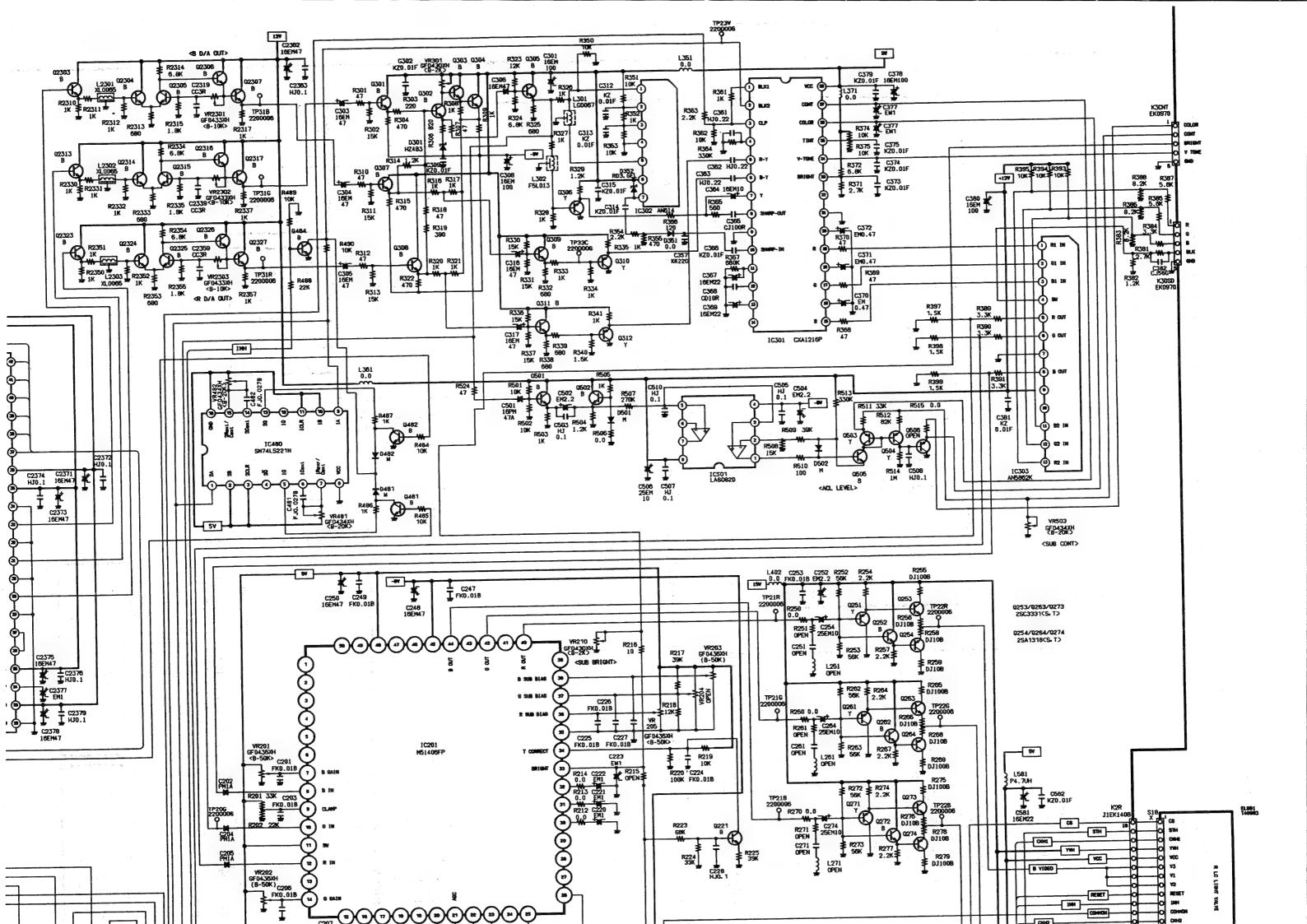


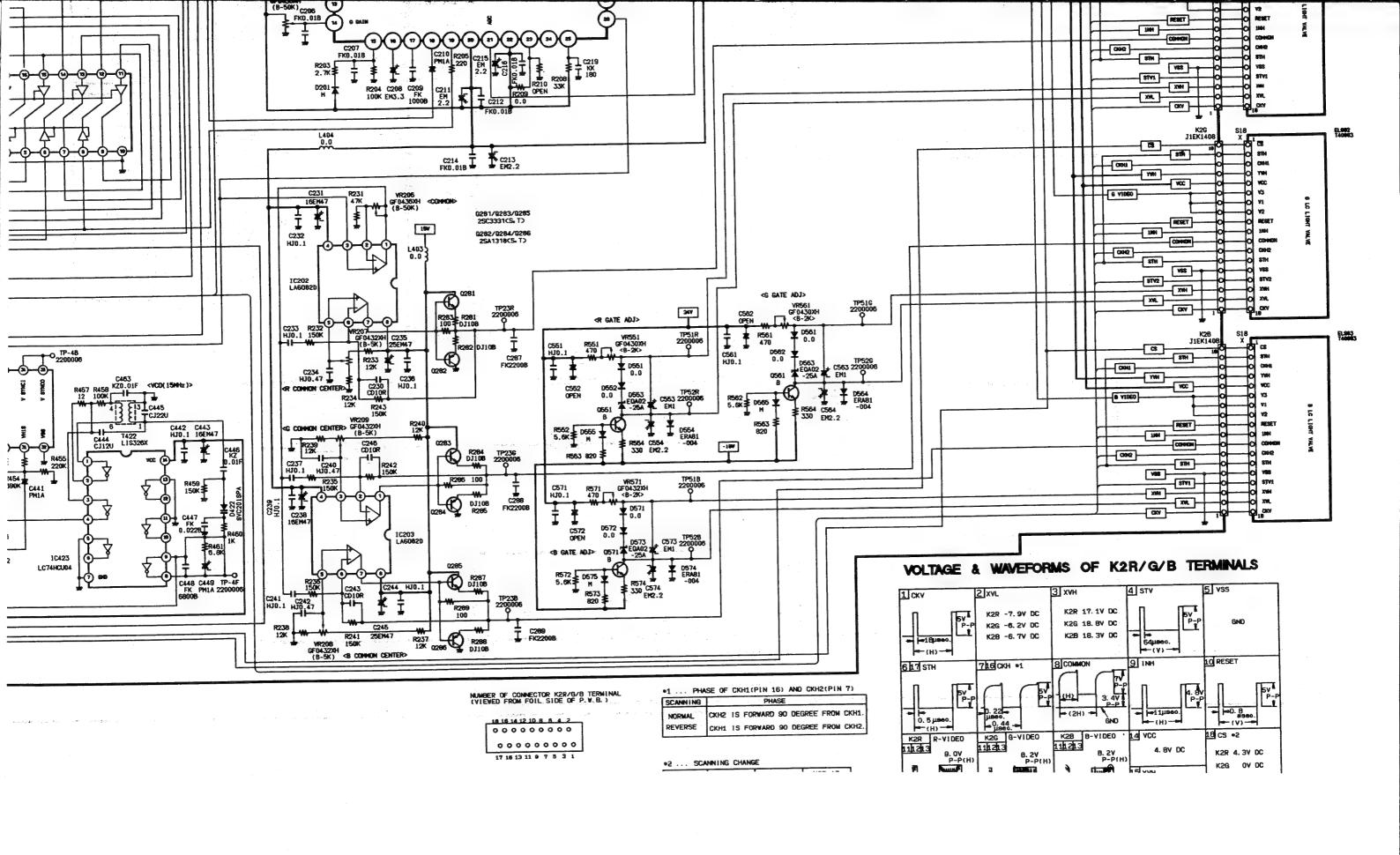








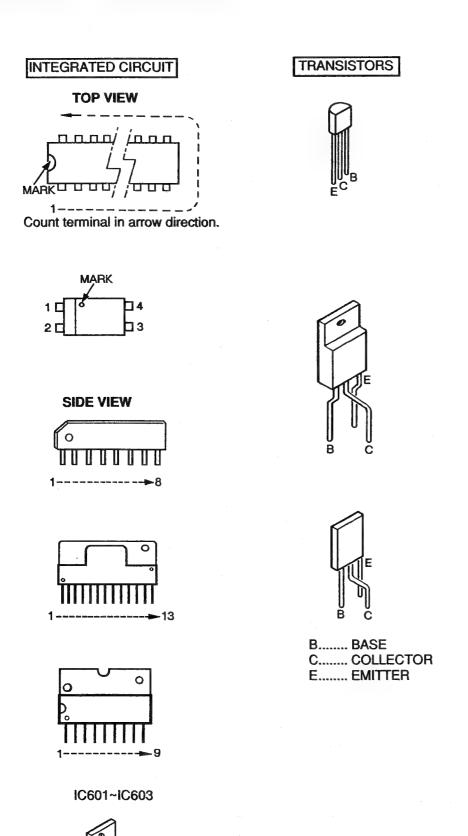


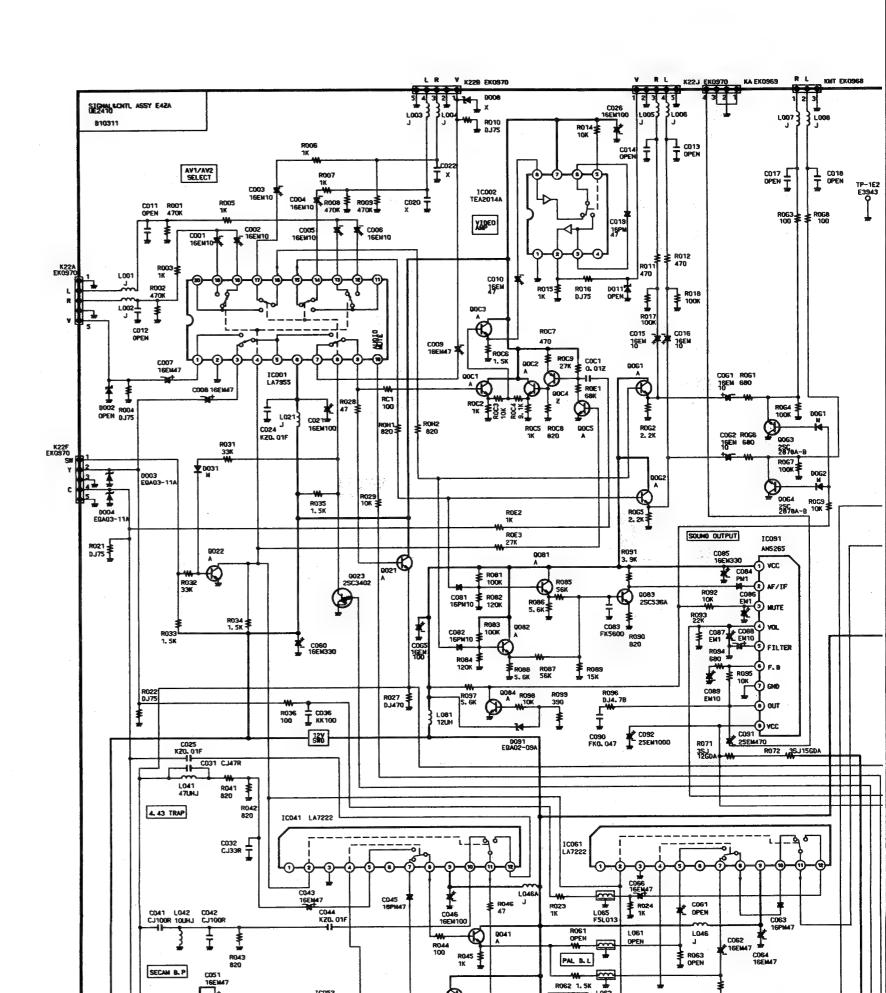


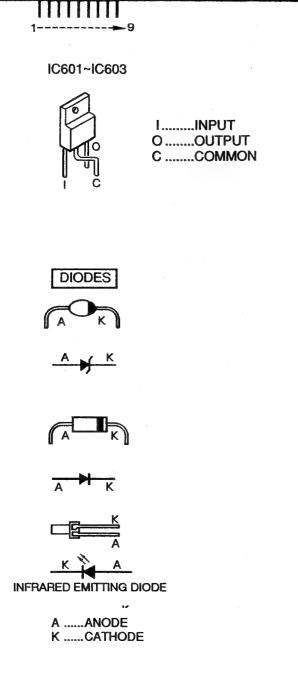
MODEL PLC-100P/PLC-100PB/PLC-100PP

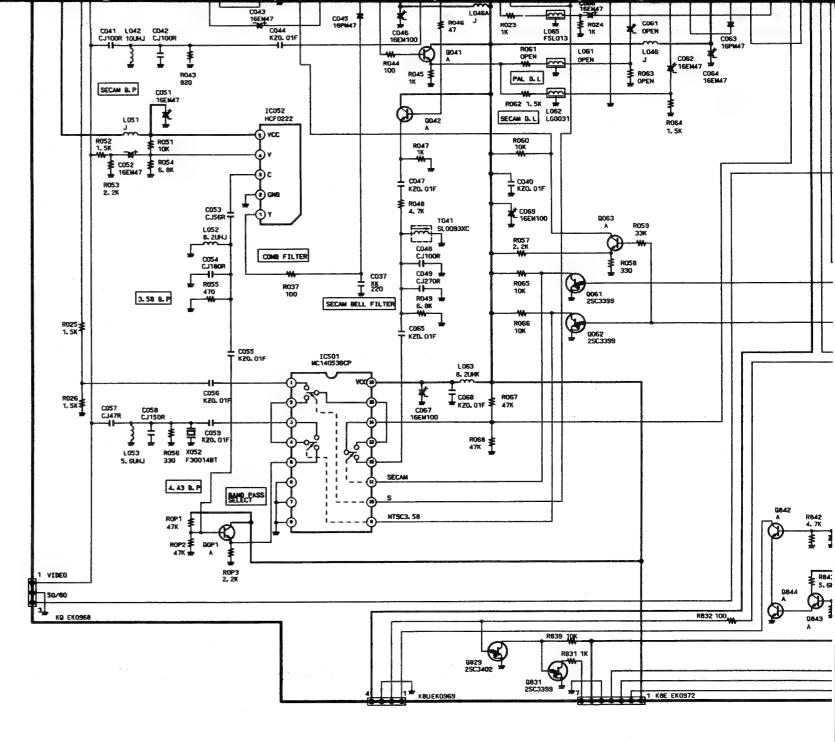
Chassis No.PJP1

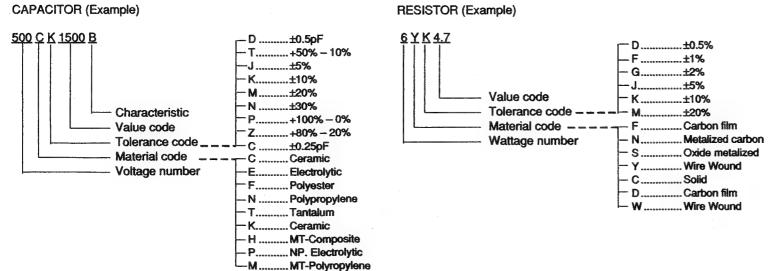
SEMICONDUCTORS BASING

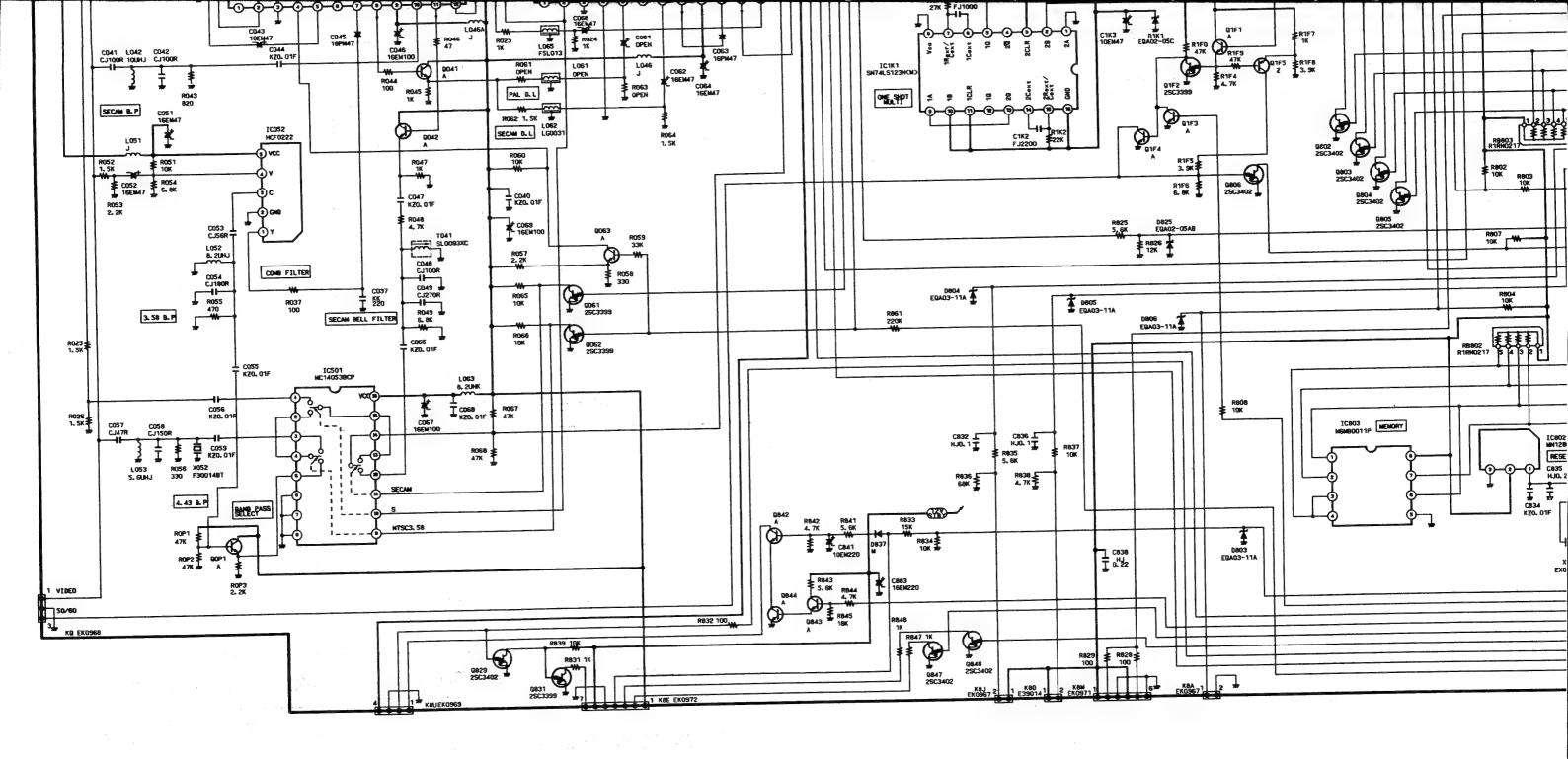




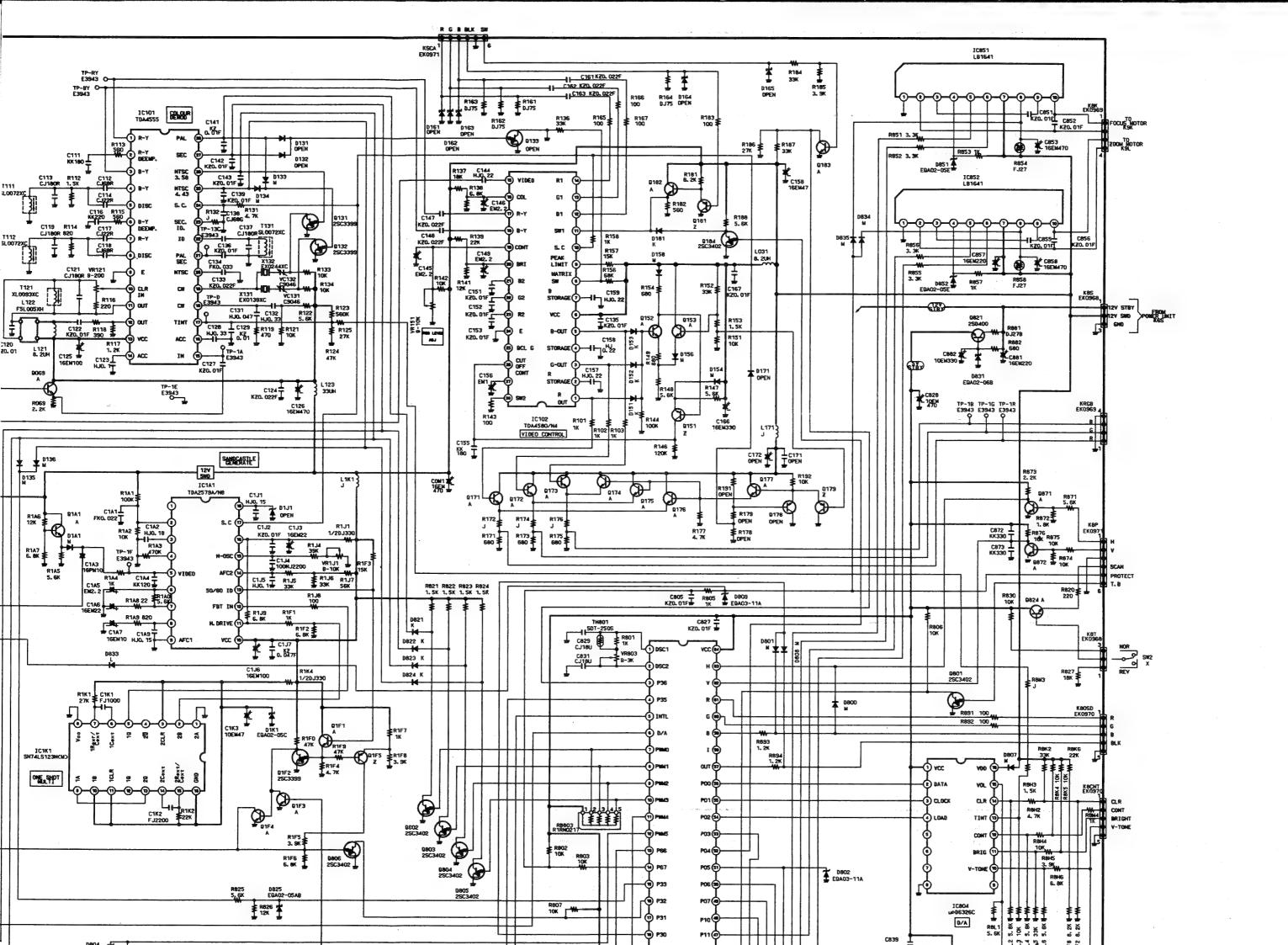


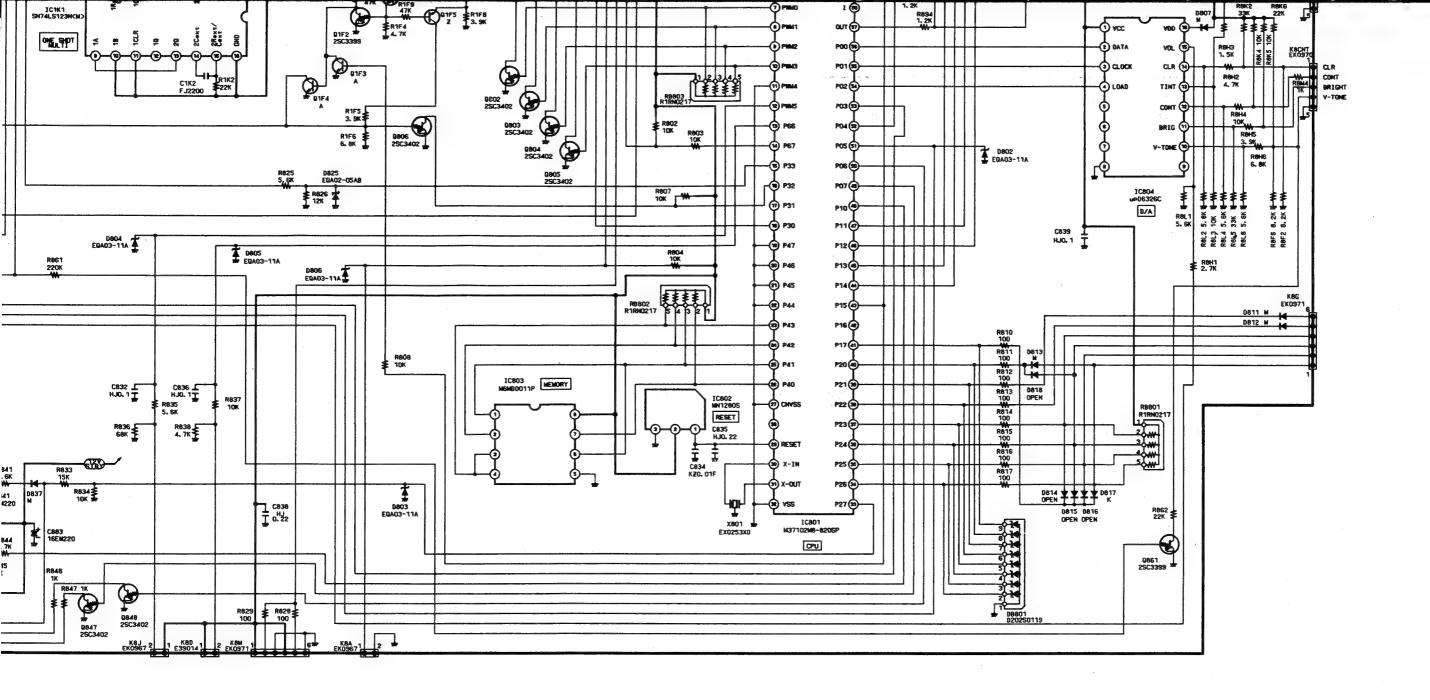




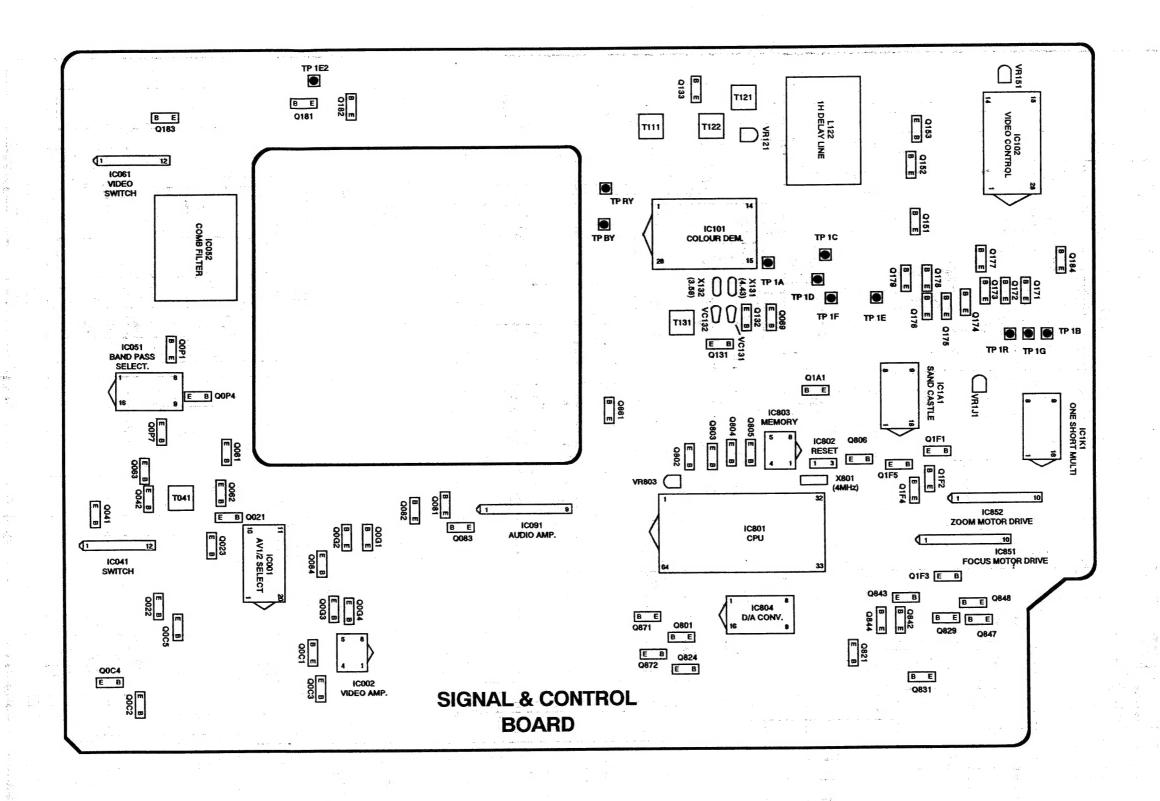


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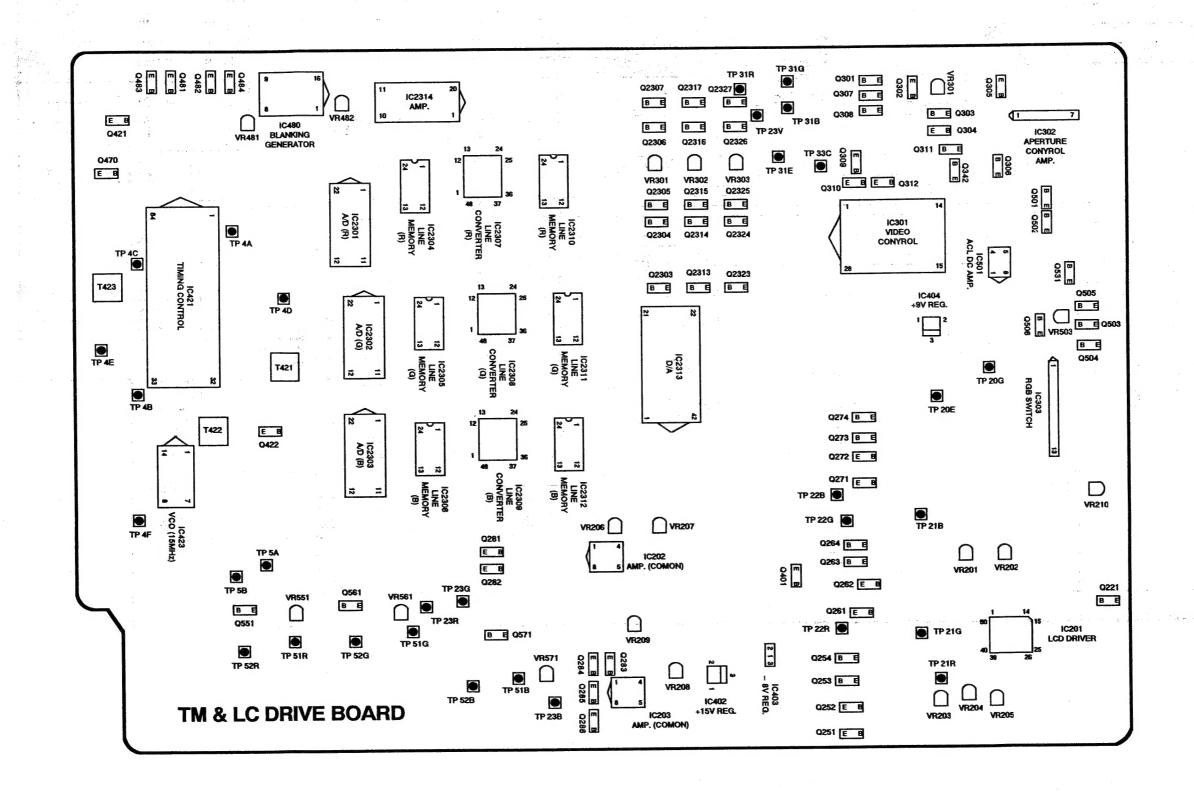
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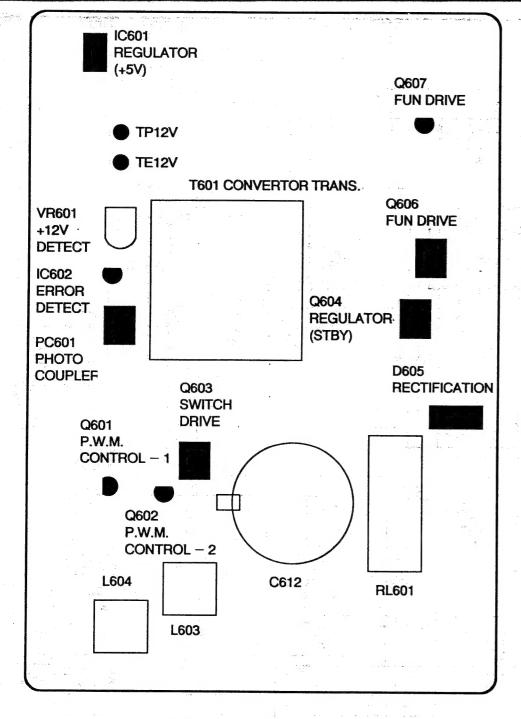


TP 31G

Q2307 Q2317 Q2327

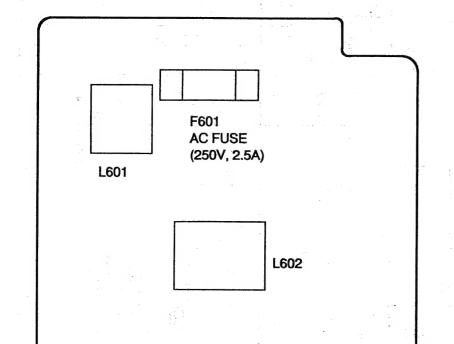
Q301 B B

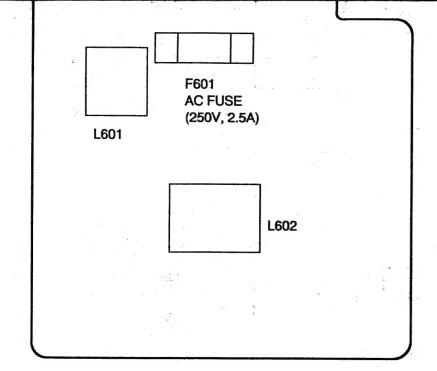




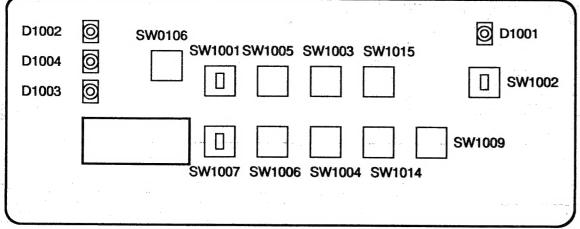
한테 내가 있는데 하시 나를 받는 점점을 다 했다.

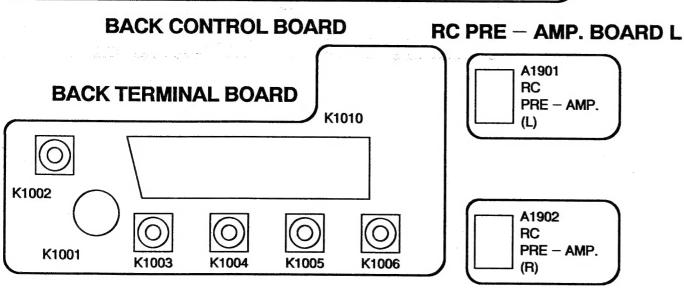
POWER SUPPLY BOARD





POWER BOARD





RC PRE - AMP. BOARD R